

Department of Energy Portsmouth Enrichment Office FO Box 70 (Piketon, Ohm 45661 0) 00 Plane with 897 50(6)

February 10, 1993 EO-23-3713 Xisa Pichnard

US EPA RECORDS CENTER REGION 5

Ms. Donna Goodman Ohio Environmental Protection Agency 2195 Front Street Logan, Ohio 43138-9031

Dear Ms. Goodman:

DEPARTMENT OF ENERGY (DOE) PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS) REVISED RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PART "A" APPLICATION

Reference is made to your letter, dated December 11, 1992, which provided clarification on the RCRA closure status for PORTS X-700 Tanks 6 and 8.

Per your direction, enclosed is a revised RCRA Part "A" Application for PORTS which removes the X-700 Tanks 6 and 8 from the application. This is the only change to the application.

If you have any questions, please contact Melda Rafferty of my staff at (614) 897-5521.

Sincerely,

Eugene W. Gillespie

Juguel Gellenni

Site Manager

Portsmouth Site Office

EO-23: Rafferty

cc w/enclosure: Thomas Crepeau, Ohio EPA/Columbus Lisa Pierrard, USEPA/Chicago



Department of Energy Portsmouth Enrichment Office P.O. Box 700 Piketon, Ohio 45661-0700 Phone: 614 / 897-5010



APR 8 1992

OFFICE OF RCRA
Waste Management Division
U.S. EPA, REGION V

April 6, 1992 EO-23-2408

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RECORD CENTER

Ms. Donna Goodman Ohio Environmental Protection Agency Southeast District Office 2195 Front Street Logan, Ohio 43138

Ms. Lisa Pierrard U.S. Environmental Protection Agency 230 South Dearborn Street Chicago, Illinois 60604

REVISED RESOURCE CONSERVATION AND RECOVERY ACT (RCRAPART A PERMIT APPLICATION

Enclosed is a revised RCRA Part A Permit Application for the Portsmouth Gaseous Diffusion Plant. This permit application has been revised to contain the following units: X-700 Hazardous Waste Storage Tank #6 and X-700 Hazardous Waste Storage Tank #8.

If you have any further questions or comments, please contact Melda Rafferty of my staff at 614/897-3821.

Sincerely,

Eugene W. Gillespie

Site Manager

Portsmouth Site Office

EO-23: Rafferty

Enclosure

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Department of Energy Portsmouth Enrichment Office P.O. Box 700 Piketon, Ohio 45661-0700 Phone: 614 / 897-5010

February 17, 1992 E0-23-2256

Ms. Donna Goodman Ohio Environmental Protection Agency Southeast District Office 2195 Front Street Logan, Ohio 43138

RECEIVE OFFICE OF RCRA Waste Management Division U.S. EPA, REGION V

Ms. Lisa Pierard United States Environmental Protection Agency 230 South Dearborn Street Chicago, Illinois 60604

Dear Ms. Goodman and Ms. Pierard:

REVISED RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PART A PERMIT

Enclosed please find the revised RCRA Part A Permit documentation for the Portsmouth Gaseous Diffusion Plant (PORTS). During reviews of the closure plan for the X-750 Hazardous Waste Storage Tank, PORTS identified that the hazardous waste code F004 had not been provided in the RCRA Part A Permit. The F004 hazardous waste code has been added to this revised Part A.

If you have any further questions or comments, please contact Melda Rafferty of my staff at 614/897-3821.

Sincerely,

udura in wither nEugene W. Gillespie

Portsmouth Site Office

E0-23:Rafferty

Enclosure As stated

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Department of Energy Portsmouth Enrichment Office P.O. Box 700 Piketon, Ohio 45661 - 0700 Phone: 614 / 897-5010 NEGET EU

February 22, 1991 EO-23-1301 Waste Ma var U.S ... 2

Lisa A. Pierard, Chief USEPA, Region V 230 South Dearborn Street Chicago, Illinois 60604

Dear Ms. Pierard:

TCLP, PORTSMOUTH FACILITY (OH7 890 009 983) - 5HR-13

In response to your February 5, 1991 letter concerning our most recent Part A application of January 15, 1991, please find the following information.

A revised Part A application was submitted to the Ohio EPA, Division of Solid and Hazardous Waste Management on September 25, 1990 (see enclosure). Hazardous waste with codes D-018-D043 are included in this application and have been managed at PORTS since this date in accordance with all applicable regulations. The certification statement can be found in the September 25, 1990 submittal.

Should you have any questions, please contact Melda Rafferty of my staff at (614) 897-5010.

Sincerely,

Liquell (ellemil Eugene W. Gillespie

Site Manager

Portsmouth Enrichment Office

Enclosure: As stated



Department of Freign
Portsmouth Frichment Office
P.O. Box 700
Pileton, Ohi + 45661 = 0700
Phons = 674 - 897-50

September 25, 1990 EO-221-916

Ms. Linda Welch
Division of Solid and Hazardous Waste Management
Ohio Environmental Protection Agency
Post Office Box 1049
1800 Water Mark Drive
Columbus, OH 43266-0149

Ms. Donna Goodman Ohio Environmental Protection Agency Southeast District Office 2195 Front Street Logan, OH 43138

Madam:

REVISED PART A HAZARDOUS WASTE PERMIT APPLICATION

The attached Revised Part A Hazardous Waste Permit Application is submitted for inclusion in the Portsmouth Gaseous Diffusion Plant Part B permit application review. This revision addresses the concerns raised by your letter of August 17, 1990.

Three facilities are requested to be added as hazardous waste storage facilities at PORTS:

- 1. X-744H Warehouse;
- 2. XT-847 Warehouse; and
- X-3346 Feed and Withdrawal Building.

The justification for the addition of these facilities is to properly manage hazardous and mixed wastes that are generated at containers (~380,000 lbs) per year. Currently there are no disposal options for the RCRA mixed wastes. An incinerator in Oak Ridge, Tennessee will process most of the waste, but will produce ashes which still require storage. Also, the backlog for this incinerator will require several years to process. A 1994 Line Item Project (LIP) is under study for the treatment of RCRA mixed wastes, however, it is estimated that the completion date of the project is 5 to 8 years away. During the time prior to the completion of the LIP, as many as 5000 containers (both 110-gallon and 55-gallon drums) may be generated.

In addition, the various Environmental Restoration (ER) projects are generating both hazardous wastes and hazardous mixed wastes. The Remedial Facility Investigation (RFI) phase will generate an estimated 2000 drums of waste over the next two years. Approximately 500 of these containers will contain RCRA mixed wastes with the remainder being classified as RCRA wastes. The estimate of wate generation does not include any waste generated for closure of any RCRA facility. As an example, the X-701B sludge removal project generated 1460 containers of RCRA mixed wastes. Each of these containers holds 3.5 cubic yards (~6000 lbs). The placement of this large number of containers in the X-744G facility consumed a large amount of usable storage area.

Hazardous waste generation at PORTS amounts to approximately 1200 containers (~480,000 lbs) per year. It is anticipated that, pending approval of the requested changes and the completion of projects to bring the buildings into RCRA standards, the main facility for handling RCRA hazardous wastes will be moved to the XT-847 or the X-3346 Feed & Withdrawal Building. This action would free the X-752 Facility for the long-term storage of RCRA mixed wastes or other waste storage. Both the XT-847 and the X-3346 have sufficient room to allow the staging of wastes prior to the designation of proper (RCRA or RCRA mixed) storage. Additionally, there is room for the future installation of recycling equipment, e.g., solvent distillation units.

Facilities X-701B, X-231B, and X-749 are currently undergoing closure and cannot be clean-closed. These facilities have been included in this revision. Facility X-616 will be clean-closed and is therefore not included in this revision.

Closure plans and post closure plans are being developed under the Consent Decree and will be included in a revised Part B permit application. Definitive post-closure methods are under study along with the closure plans and a schedule for accomplishing the plan development will be included in the Part B.

The X-705 Radicator Facility has been excluded from this revision per OEPA letter dated August 17, 1990.

Also, the Part A Hazardous Waste Permit Application has been reviewed and revised to include necessary changes that reflect the current status of waste handling at PORTS. Regulatory changes, i.e., the new TC hazardous wastes, have necessitated additions to this category of wastes to the list of wastes managed at PORTS. In addition, the removal of various chemicals from the list of hazardous wastes allow the removal of the (formerly) listed chemicals from the Part A application.

-3- September 25, 1990

Ohio EPA

If there are any questions, please contact John R. Shaffer of my staff at (614) 897-5010.

Sincerely,

Eugene W. Gillespie

Site Manager

Portsmouth Enrichment Office

EO-221:Shaffer

Enclosures: As stated

cc/encl: R. E. Blake, PORTS

John Rochotte, OEPA, SEDO

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- 3. X-0311 Mil Biodegradation Flot
- 4. X-749 Contaminated Materials Disposit Facility
- 5. N-7-43 Non-MESA Bulk Storage Fuilding
- 6. X-326 Mixed Waste Storage Facility
- 7. X-744H Warehouse
- δ . X-3346 Feed and Withdrawal Building
- 9. XT-847 GCIP Warehouse

IV. DESCRIPTION OF HAZARDOUS WASTES

- A EPA HAZARDOUS WASTE NUMBER Enter the four—digit number from 40 CFF. Support D to: each listed hazardous waste you will handle it you handle hazardous wastes which are not listed in 40 CFR, Subport D, enter the four—digit number(s) from 40 CFR. Subport C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed wests entered in column A estimate the quantity of that weste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B eriter the unit of measure code. Units of measure which must be used and the appropriate codes are

ENGLISH UNIT OF MEASURE	300E	METRIC UNIT OF MEASURE	CODE
POUNDS	•	KILOGRAMS	. , , K
TONS	T	METRIC TONS	. •

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste

D. PROCESSES

1. PROCESS CODES

For listed hexandous wests. For each listed hazardous wests entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility

For non-jisted hazardous wastes. For each characteristic or toxic contaminant entered in column A, select the code/s' from the list of process codes contained in Item III to indicate all the processed that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes if more are needed. (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1), and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PRIOCESS DESCRIPTION. If a code is not listed for a process that will be used describe the process in the space provided on the form.

NOTE HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1 Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total enhals quantity of the waste and describing all the processes to be used to treat, store, end/or dispose of the waste.
- 2 In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line
- Repeat step 2 for each other EPA Hezardous Waste humber that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below. — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed westes. Two westes are corrosive only and there will be an estimated 200 pounds per year of each weste. The other weste is corrosive and ignitiable and there will be an estimated 100 pounds per year of that westes. Treatment will be in an incinerator and dispose will be in a landful.

	A EPA HAZARD		C UNIT	D	PROCESSES
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X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

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Control of the period before completing if you have many than 26 wastes to list FOR OFFICIAL USE ONLY EPA : D NUMBER (enter from page 1) -W DUP 'סַ_' 0 89 8 DUP IV DESCRIPTION OF HAZARDOUS WASTES (continued) A EPA
HAZARD
WASTENO:
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PAGE 3 $\stackrel{E}{=}$ OF 5 (enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

A. NAME (PRINT OF 1794)

See Attached

EPA Form 3510-3 (6-80)

PAGE 4 OF 5

CONTINUE ON PAGE 2

SECTION XVIII CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

U. S. DEPARTMENT OF ENERGY

Owner and Operator

BY: Signa W. Gillespie

Site Manager

<u> 9/25/9/2</u> Date Signed

MARTIN MARIETTA ENERGY SYSTEMS, INC.

Co-Operator

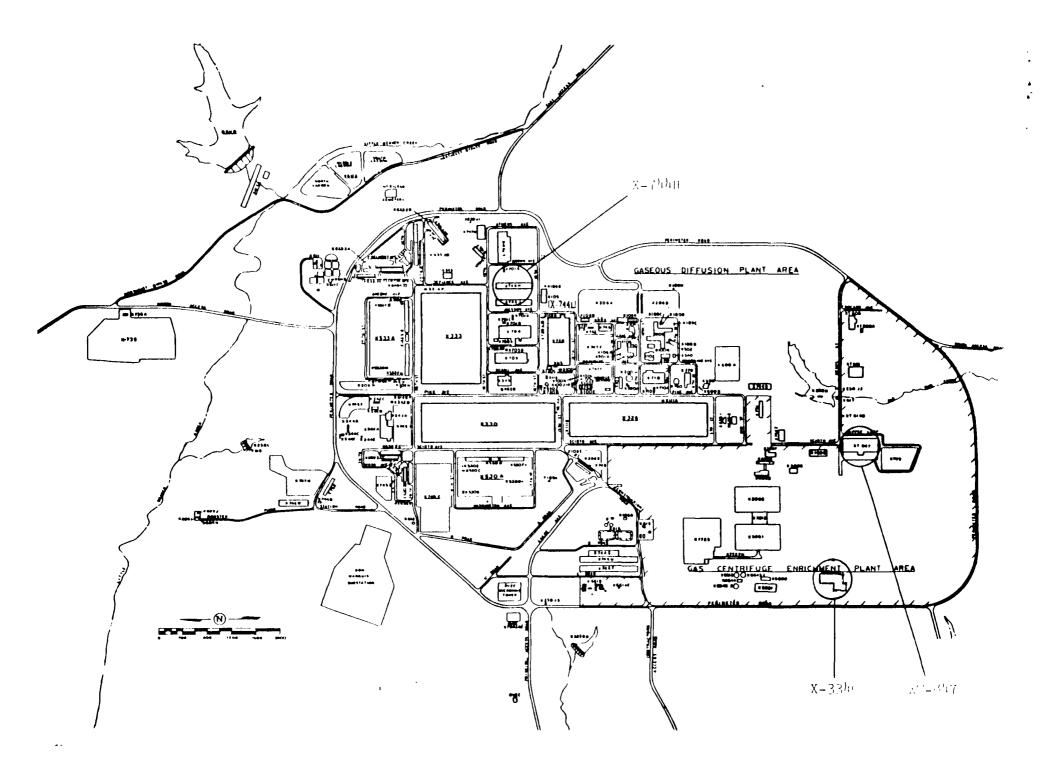
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Ralph G. Donnelly

Plant Manager

Date Signed

The Department of Energy has signed as "owner and operator" and Martin Marietta Energy Systems, Inc., has signed as "co-operator" this application for their permitted facility. The Department has determined that dual signatures best reflect the actual apportionment of responsibility under which the Department's RCRA responsibilities are for policy, programmatic, funding scheduling decision, as well as general oversight, and the contractor's RCRA responsibilities are for day-to-day operations (in accordance with general directions given by the Department of Energy as part of its general oversight responsibility), including but not limited to, the following responsibilities: waste analyses handling, monitoring, record keeping, reporting, contingency planning. For purposes of the certification required by 40 C. F. R. Section 270.11(d), the Department's and Martin Marietta Energy Systems, Inc.'s representatives certify, to the best of their knowledge and belief, the truth, accuracy and completeness of the application for their respective areas of responsibility.





Department of Energy Portsmouth Enrichment Office P.O. Box *00 Piketon Ohio 45661 - 0700 Phone 614 897-5010

January 15, 1991 EO-221-1207

Dr. Richard Shank, Director Ohio Environmental Protection Agency 1800 Watermark Drive Columbus, OH 43266-0149

Dear Dr. Shank:

REVISED RCRA PART A INTERIM STATUS PERMIT SUBMISSION: PORTSMOUTH GASEOUS DIFFUSION PLANT

Enclosed is a revision of the RCRA Part A Interim Status Permit for the Portsmouth Gaseous Diffusion Plant. There are 17 units included in this revision: 4 existing storage units, 3 proposed storage units, 4 land disposal units in the process of closure. 1 existing storage tank and 4 newly discovered units.

The X-616 Chromium Sludge Surface Impoundments, X-705A Incinerator, and the X-700 Chromic Acid Storage Tank were inadvertently left off of the previous submission of the Part A Permit, but are included in this revision.

Newly discovered units included in this revision inadvertently received hazardous waste.

The four newly discovered units are identified as follows: (1) X-705 Tank; (2) X-740 Tank; (3) X-740 Storage Unit; (4) X-744G RAD Waste Storage Yard. We will be providing closure plans for these units.

We are reissuing a change in interim status for additional storage at the following units: X-744H Storage Unit; XT-847 Storage Unit; X-3346 Storage Units. Descriptions of these units have also been included in the revised Part B Permit Application provided January 15, 1991 to Ohio EPA. Identification for use of the additional storage units is provided in the revised Part A Permit.

Sincerely,

Engene is Gett you Eugene W. Gillespie

Site Manager

Portsmouth Enrichment Office

Enclosure

~ *

cc w/attach:

Stuard Bruney (OEPA Southeast)

L. Pierard (USEPA, Region V)

cc w/o attach:

- J. W. Bennett, NE-33
- R. E. Blake, MMES
- J. C. Hall, MMES
- L. E. Hall (K-25)
- G. S. Hartman, EO-22
- M. E. Mitchell (K-25)
- J. W. Parks, E0-20
- S. A. Polston (PAD)
- D. E. Ray, MMES
- C. W. Sheward, MMES
- J. E. Shoemaker, MMES
- R. C. Sleeman, SE-31
- K. W. Sommerfield (Y-25)
- R. L. Wooley, NE-33

SARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX 628 PIKETON, OHIO 45681

September 10, 1990 103-90-723

Mr. Eugene W. Gillespie, Site Manager Portsmouth Enrichment Office U. S. Department of Energy Post Office Box 700 Piketon, Ohio 45661

Dear Mr. Gillespie:

Revised Part A Hazardous Waste Permit Application

Please submit the attached revised Part A permit application to OEPA for their inclusion in our Part B permit review.

Three facilities are requested to be added as hazardous waste storage facilities at PORTS:

- 1. X-744H Warehouse;
- 2. XT-847 Warehouse; and
- X-3346 Feed and Withdrawal Building.

We recognize that PEO has not offered the XT-847 Warehouse for PORTS waste storage at this time. However, we believe XT-847 may provide significant economic, logistic, and ease of conversion advantages that make it suitable as an alternative to X-3346. Under different circumstances, the XT-847 facility may be needed in addition to the X-3346 facility if Environmental Restoration (ER) waste generation rates are higher than predicted. Including XT-847 in this exemption request allows, but does not bind, PORTS to use it for hazardous waste storage. Therefore, we recommend inclusion of XT-847 in the application at this time and believe the uncertain generation rates including ER activities will justify all three facilities to the OEPA.

The justification for the addition of these facilities is to properly manage hazardous and mixed wastes that are generated at PORTS. RCRA mixed waste generation amounts to approximately 525 containers (~380,000 lbs) per year. Currently there are no disposal options for the RCRA mixed wastes. A 1994 Line Item Project (LIP) is under study for the treatment of RCRA mixed wastes, however, it is estimated that the completion date of the project is 5 to 8 years away. During the time prior to the completion of the LIP, as many as 5000 containers (both 110-gallon and 55-gallon drums) may be generated.

In addition, the various ER projects are generating both hazardous wastes and hazardous mixed wastes. The Remedial Facility Investigation (RFI) phase will generate an estimated 2000 drums of waste over the next two years. Approximately 500 of these containers will contain RCRA mixed wastes with the remainder being classified as RCRA wastes. The estimate of waste generation does not include any waste generated for closure of any RCRA facility. As an example, the X-701B sludge removal project generated 1460 containers of RCRA mixed wastes. Each of these containers holds 3.5 cubic yards (~6000 lbs). The placement of this large number of containers in the X-744G facility consumed a large amount of usable storage area.

Hazardous waste generation at PORTS amounts to approximately 1200 containers (~480,000 lbs) per year. It is anticipated that, pending approval of the requested changes and the completion of projects to bring the buildings into RCRA standards, the main facility for handling RCRA hazardous wastes will be moved to the XT-847 or the X-3346 Feed & Withdrawal Building. This action would free the X-752 Facility for the long-term storage of RCRA mixed wastes or other waste storage. Both the XT-847 and the X-3346 have sufficient room to allow the staging of wastes prior to the designation of proper (RCRA or RCRA mixed) storage. Additionally, there is room for the future installation of recycling equipment, e.g., solvent distillation units.

Facilities X-701B, X-231B, and X-749 are currently undergoing closure and can not be clean closed. These facilities have been included in this revision. Facility X-616 will be clean closed and is therefore not included in this revision.

Closure plans and post closure plans are being developed under the Consent Decree and will be included in a revised Part B permit application. Definitive post-closure methods are under study along with the closure plans and a schedule for accomplishing the plan development will be included in the Part B.

The X-705 Radicator Facility has been excluded from this revision per OEPA letter dated August 17, 1990

Also, the Part A Hazardous Waste Permit Application has been reviewed and revised to include necessary changes that reflect the current status of waste handling at PORTS. Regulatory changes, i.e., the new TC hazardous wastes, have necessitated additions to this category of wastes to the list of wastes managed at PORTS. In addition, the removal of various chemicals from the list of hazardous wastes allow the removal of the (formerly) listed chemicals from the Part A application.

Copies of the Change in Interim Status request should be sent to:

Ohio Environmental Protection Agency Division of Solid and Hazardous Waste Management Attention Linda Welch 1800 WaterMark Drive Post Office Box 1049 Columbus, Ohio 43266-0149

and

Ohio Environmental Protection Agency Southeast District Office Attention Donna Goodman 2195 Front Street Logan, Ohio 43138.

If there are any questions please contact Dick Blake of the Environmental Control Department at 897-2145.

Sincerely

Ralph Donnelly Plant Manager

RGD: TAAcox: dma

Attachments

cc: R. E. Blake

D. J. Bostock (PAD)

W. R. Golliher (K-25)

G. S. Hartman (DOE-ORO)

✓M. E. Mitchell (K-25)

J. W. Parks (DOE-ORO)

√D. E. Ray

J. E. Rhoderick (DOE-HQ)

C. W. Sheward

J. E. Shoemaker

K. W. Sommerfeld (Y-12)

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete.

Ralph Donnelly

Plant Manager

Ohio Environmental Protection Agency Division of Solid and Hazardous Waste Management Attention Linda Welch 1800 WaterMark Drive Post Office Box 1049 Columbus, Ohio 43266-0149

Ohio Environmental Protection Agency Southeast District Office Attention Donna Goodman 2195 Front Street Logan, Ohio 43138.

REVISED PART A HAZARDOUS WASTE PERMIT APPLICATION

The attached Revised Part A Hazardous Waste Permit Application is submitted for inclusion in the Portsmouth Gaseous Diffusion Plant Part B permit application review. This revision addresses the concerns raised by your letter of 8/17/90.

Three facilities are requested to be added as hazardous waste storage facilities at PORTS:

- 1. X-744H Warehouse;
- 2. XT-847 Warehouse; and
- 3. X-3346 Feed and Withdrawal Building.

The justification for the addition of these facilities is to properly manage hazardous and mixed wastes that are generated at PORTS. RCRA mixed waste generation amounts to approximately 525 containers (~380,000 lbs) per year. Currently there are no disposal options for the RCRA mixed wastes. An incinerator in Oak Ridge, Tennessee will process most of the waste, but will produce ashes which still require storage. Also, the backlog for this incinerator will require several years to process. A 1994 Line Item Project (LIP) is under study for the treatment of RCRA mixed wastes, however, it is estimated that the completion date of the project is 5 to 8 years away. During the time prior to the completion of the LIP, as many as 5000 containers (both 110-gallon and 55-gallon drums) may be generated.

In addition, the various Environmental Restoration (ER) projects are generating both hazardous wastes and hazardous mixed wastes. The Remedial Facility Investigation (RFI) phase will generate an estimated 2000 drums of waste over the next two years. Approximately 500 of these containers will contain RCRA mixed wastes with the remainder being classified as RCRA wastes. The estimate of waste generation does not include any waste generated for closure of any RCRA facility. As an example, the X-701B sludge removal project generated 1460 containers of RCRA mixed wastes. Each of these containers holds 3.5 cubic yards (~6000 lbs). The placement of this large number of containers in the X-744G facility consumed a large amount of usable storage area.

Hazardous waste generation at PORTS amounts to approximately 1200 containers (~480,000 lbs) per year. It is anticipated that, pending approval of the requested changes and the completion of projects to bring the buildings into RCRA standards, the main facility for handling RCRA hazardous wastes will be moved to the XT-847 or the X-3346 Feed & Withdrawal Building. This action would free the X-752 Facility for the long-term storage of RCRA mixed wastes or other waste storage. Both the XT-847 and the X-3346 have sufficient room to allow the staging of wastes prior to the designation of proper (RCRA or RCRA mixed) storage. Additionally, there is room for the future installation of recycling equipment, e.g., solvent distillation units.

Facilities X-701B, X-231B, and X-749 are currently undergoing closure and can not be clean closed. These facilities have been included in this revision. Facility X-616 will be clean closed and is therefore not included in this revision.

Closure plans and post closure plans are being developed under the Consent Decree and will be included in a revised Part B permit application. Definitive post-closure methods are under study along with the closure plans and a schedule for accomplishing the plan development will be included in the Part B.

The X-705 Radicator Facility has been excluded from this revision per OEPA letter dated August 17, 1990

Also, the Part A Hazardous Waste Permit Application has been reviewed and revised to include necessary changes that reflect the current status of waste handling at PORTS. Regulatory changes, i.e., the new TC hazardous wastes, have necessitated additions to this category of wastes to the list of wastes managed at PORTS. In addition, the removal of various chemicals from the list of hazardous wastes allow the removal of the . (formerly) listed chemicals from the Part A application.

If there are any questions please contact John R. Shaffer of my staff at (614) 897-5010.

Sincerely

Eugene W. Gillespie Site Manager Portsmouth Enrichment Office

Attachments

cc/att: R. E. Blake, PORTS

John Rochotte, OEPA, SEDO

T. A. Acox, PORTS
T. P. A. Perry, K-25



Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831—

October 18, 1988

DOE-12-89

DH6 890 008 976

Mr. William E. Muno, Chief RCRA Enforcement Section U. S. Environmental Protection Agency Region V, 5HR-12 230 S. Dearborn Street Chicago, Illinois 60664

Dear Mr. Muno:

ADDITIONAL JUSTIFICATION - REVISION NO. 5 TO RETAIN APPLICATION

On July 28, 1988, the Part A RCRA application for the FMPC was revised to include Bay 6 of the KC-2 Warehouse for Hazardous Waste Storage. The revised Part A included justification for the approval of Bay 6 under 40 CFR 270.72. The FMPC had not yet received approval from your agency to use Bay 6.

On August 15, 1988, the FMPC was notified that a scheduled shipment of mixed waste to the K-1435 incinerator in Oak Ridge, Tennessee was cancelled. Due to the unique nature of this waste, treatment disposal options are limited.

The cancelled shipment has left the FMPC with a need to utilize Bay 6 for hazardous waste storage. 40 CFR 270.72 (c)(1) allows EPA to approve a change during interim status if "it is necessary to prevent a threat to human health or the environment because of an emergency situation". Any other storage alternatives, other than utilizing Bay 6, would result in a threat to human health or the environment.

Please advise us on the status of the approval of Bay 6 for hazardous waste storage.

Sincerely

James A Reafsnyder

Sibe Manager

DP-84:Stone

COFTA

cc: M. Wilson, SE-31, ORO
M. Travaglini, SE-31, ORO

• . .

C. McCord, USEPA-5
M. Logan, USEPA-5
G. Baker, WMCO



Department of Energy

Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831-8740

October 5, 1988

Dr. Richard Shank, Director Ohio Environmental Protection Agency 1800 WaterMark Drive Columbus, Ohio 43266-1049

Mr. George Hamper, Chief Waste Management Division Technical Programs Section, Ohio Unit U.S. EPA, Region V, 230 South Dearborn Street Chicago, Illinois 60604



Gentlemen:

RCRA PART A PERMIT APPLICATION (REVISION) - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

This letter is in reference to the letter to you from Mr. R. O. Hultgren, dated September 9, 1988, subject as above. We inadvertently sent an unsigned Part A. Enclosed is the signed Part A. We regret the error. If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Remediation Branch at (615) 576-0848 or FTS 626-0848.

Sincerely,

Ronald O. Hultgren, Director Enriching Operations Division

SE-312:Travaglini

Enclosure: As stated

cc w/o enclosure: R. E. Anderson, PORTS E. W. Gillespie, E0-25



Department of Energy

Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831-8740

September 9, 1988

Dr. Richard Shank, Director Ohio Environmental Protection Agency 1800 WaterMark Drive Columbus, Ohio 43266-1049

Mr. George Hamper, Chief Waste Management Division Technical Programs Section, Ohio Unit U.S. EPA, Region V, 230 South Dearborn Street Chicago, Illinois 60604

Gentlemen:

OFFICE OF RCRA ste Management Division U.S. EPA, REGION V

EGEIVED

RCRA PART A PERMIT APPLICATION (REVISION) - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

Enclosed is a revised Part A Permit Application for the Portsmouth facility. The changes made are to delete the treated chromium sludge waste pile (Form III, Page 1 of 5, line 9) and to add the chromic acid cleaning solution storage tank to this location. In addition, the description of this waste has been added to Form III, Page 3B of 5, lines 11 and 12.

The justification for these changes are the results of determining that the chromium sludge is non-hazardous and discontinuing the chromium cleaning process. During December 1987, and January 1988, it was necessary for Portsmouth to remove the EP-Toxic sludge from the X-616 chromium sludge lagoons to maintain the necessary freeboard to remain in compliance with the regulations. This was accomplished by treating the sludge to render it non-hazardous by the EP-Toxic test. Due to the sludge containing trace quantities of chlorinated solvents, the question arose as to whether this material was a listed waste. Because of the necessity of removing the sludge, the waste pile was granted interim status to allow the storage of the sludge while a hazardous waste determination was made by EPA. EPA has subsequently determined that this sludge is not a listed hazardous waste. Since it is also no longer EP-Toxic, we are deleting it from our Part A.

The chromic acid cleaning process was discontinued and the material drummed (using drums which were supposed to be compatible with the material), and placed in the X-752 hazardous waste facility. Shortly thereafter, one drum failed due to corrosion and an inspection of the others showed failure to be imminent. The material was then transferred back to the acid-brick lined tank from which it had been removed. The chromic acid will remain in this tank while a treatment process is developed. Because this will take longer than 90 days, we are requesting that this tank be granted a change to interim status.

If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Remediation Branch at (615) 576-0848 or FTS 626-0848.

Sincerely,

Ronald O. Hultgren, Director Enriching Operations Division

SE-312:Travaglini

Enclosure: Revised Part A

cc w/enclosure: Brian Blair, OEPA Bob Swale, EPA-V

cc w/o enclosure:

W. D. Franz, EPA-V

R. E. Anderson, PORTS

T. P. Perry, 1000, ORNL

E. W. Gillespie, EO-25

R. Maynard, VSSP



Department of Energy

Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831-8740

Dr. Richard Shank, Director Ohio Environmental Protection Agency 1800 WaterMark Drive Columbus, Ohio 43266-1049

Mr. George Hamper, Chief Waste Management Division Technical Programs Section, Ohio Unit U.S. EPA, Region V, 230 South Dearborn Street Chicago, Illinois 60604

SEP 15 1988

OFFICE OF RCRA
Waste Management Division
Waste MANAGEMENT V

1988. EPA, REGION V

9,

September

Gentlemen:

RCRA PART A PERMIT APPLICATION (REVISION) - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

Enclosed is a revised Part A Permit Application for the Portsmouth facility. The changes made are to delete the treated chromium sludge waste pile (Form III, Page 1 of 5, line 9) and to add the chromic acid cleaning solution storage tank to this location. In addition, the description of this waste has been added to Form III, Page 3B of 5, lines 11 and 12.

The justification for these changes are the results of determining that the chromium sludge is non-hazardous and discontinuing the chromium cleaning process. During December 1987, and January 1988, it was necessary for Portsmouth to remove the EP-Toxic sludge from the X-616 chromium sludge lagoons to maintain the necessary freeboard to remain in compliance with the regulations. This was accomplished by treating the sludge to render it non-hazardous by the EP-Toxic test. Due to the sludge containing trace quantities of chlorinated solvents, the question arose as to whether this material was a listed waste. Because of the necessity of removing the sludge, the waste pile was granted interim status to allow the storage of the sludge while a hazardous waste determination was made by EPA. EPA has subsequently determined that this sludge is not a listed hazardous waste. Since it is also no longer EP-Toxic, we are deleting it from our Part A.

The chromic acid cleaning process was discontinued and the material drummed (using drums which were supposed to be compatible with the material), and placed in the X-752 hazardous waste facility. Shortly thereafter, one drum failed due to corrosion and an inspection of the others showed failure to be imminent. The material was then transferred back to the acid-brick lined tank from which it had been removed. The chromic acid will remain in this tank while a treatment process is developed. Because this will take longer than 90 days, we are requesting that this tank be granted a change to interim status.

If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Remediation Branch at (615) 576-0848 or FTS 626-0848.

Sincerely,

Ronald O. Hultgren, Director Enriching Operations Division

SE-312:Travaglini

Enclosure: Revised Part A

cc w/enclosure: Brian Blair, OEPA Bob Swale, EPA-V

cc w/o enclosure:

W. D. Franz, EPA-V

R. E. Anderson, PORTS

T. P. Perry, 1000, ORNL

E. W. Gillespie, EO-25

R. Maynard, VSSP



MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX 628 PIKETON, OHIO 45661

July 22, 1988 103-88-157

Dr. Ronald O. Hultgren, Director U. S. Department of Energy Oak Ridge Operations Post Office Bcx 2001 Oak Ridge, Tennessee 37831-8651

Dear Dr. Hultgren:

Revised Part A Hazardous Waste Permit Application

Attached with this letter is a revised Part A Hazardous Waste Permit Application. The purpose of the revised Part A is to remove the treated chromium sludge waste pile from the permitting process and to add a hazardous waste storage tank that contains chromic cleaning solution.

During December 1987 and January 1988, PORTS treated a portion of the chromium sludge, an EP Toxic waste, from the X-616 south surface impoundment. Due to the treated sludge containing trace amounts of chlorinated solvents (primarily trichloroethylene), there was the possibility that the treated material could be classified as hazardous although it was no longer EP Toxic. For that reason, the treated sludge waste pile was placed on the Part A pending a ruling by EPA. Subsequently, it has been ruled that the treated sludge was a nonhazardous waste which contained hazardous constituents. Therefore, it is requested that the treated sludge waste pile be removed from the permitting process.

As the result of container failure, a solution of sulfuric acid and sodium dichromate (commonly called chromic cleaning solution) was transferred to an acid-brick lined tank in the X-700 Chemical Cleaning Building for temporary storage. This tank is the same tank that the chromic cleaning solution was in when the tank was in use as a process tank. Therefore, the compatibility of the tank with the chromic cleaning solution is well established. The material will be in storage more than 90 days thus making the tank a hazardous waste storage tank under RCRA. All applicable aspects of the interim status requirements will be met.

The previous submittal of the Part A (103-88-20, January 25, 1988) had the treated chromium sludge listed on Form III, page 1 of 5, line 9. This has been removed and replaced with the chromic cleaning solution. Additionally, the hazardous characteristics of the chromic cleaning solution are listed on Form III, page 3B of 5, lines 11 and 12. It should be pointed out that this is a one time generation of waste resulting from the discontinuation of a process. There is no annual generation of the waste stream.

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Full characterization of the chromic cleaning solution is nearly complete and lab scale process simulations are ongoing to determine the best disposal method for the material. When completed, PORTS will forward all necessary information to DOE-ORO for submittal to US KPA and Ohio KPA.

It is requested that DOE-ORO submit a Change of Interim Status Request to Ohio EPA and US EPA reflecting the changes in the revised Part A Permit Application.

If there are any questions, please contact R. E. Anderson at (FTS) 975-2145.

Sincerely.

Ralph Donnelly
Plant Manager

RGD: TAAcox: taa

Enclosure

cc: J. E. Shoemaker, Jr.

K. W. Sommerfeld (MMES, K-25)

C. K. Stalnaker

cc/enc: E. W. Gillespie (DOE-PEO)

H. W. Hibbitts (DOE-ORO)

T. P. A. Perry (MMES, K-25)

M. A. Travaglini (DOE-ORO)

File - TAA - RC



MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX 628 PIKETON, OHIO 45661

July 22, 1988 103-88-157

Dr. Ronald O. Hultgren, Director U. S. Department of Energy Oak Ridge Operations Post Office Box 2001 Oak Ridge, Tennessee 37831-8651

Dear Dr. Hultgren:

Revised Part A Hazardous Waste Permit Application

Attached with this letter is a revised Part A Hazardous Waste Permit Application. The purpose of the revised Part A is to remove the treated chromium sludge waste pile from the permitting process and to add a hazardous waste storage tank that contains chromic cleaning solution.

During December 1987 and January 1988, PORTS treated a portion of the chromium sludge, an EP Toxic waste, from the X-616 south surface impoundment. Due to the treated sludge containing trace amounts of chlorinated solvents (primarily trichloroethylene), there was the possibility that the treated material could be classified as hazardous although it was no longer EP Toxic. For that reason, the treated sludge waste pile was placed on the Part A pending a ruling by EPA. Subsequently, it has been ruled that the treated sludge was a nonhazardous waste which contained hazardous constituents. Therefore, it is requested that the treated sludge waste pile be removed from the permitting process.

As the result of container failure, a solution of sulfuric acid and sodium dichromate (commonly called chromic cleaning solution) was transferred to an acid-brick lined tank in the X-700 Chemical Cleaning Building for temporary storage. This tank is the same tank that the chromic cleaning solution was in when the tank was in use as a process tank. Therefore, the compatibility of the tank with the chromic cleaning solution is well established. The material will be in storage more than 90 days thus making the tank a hazardous waste storage tank under RCRA. All applicable aspects of the interim status requirements will be met.

The previous submittal of the Part A (103-88-20, January 25, 1988) had the treated chromium sludge listed on Form III, page 1 of 5, line 9. This has been removed and replaced with the chromic cleaning solution. Additionally, the hazardous characteristics of the chromic cleaning solution are listed on Form III, page 3B of 5, lines 11 and 12. It should be pointed out that this is a one time generation of waste resulting from the discontinuation of a process. There is no annual generation of the waste stream.

Full characterization of the chromic cleaning solution is nearly complete and lab scale process simulations are ongoing to determine the best disposal method for the material. When completed, PORTS will forward all necessary information to DOE-ORO for submittal to US EPA and Ohio EPA.

It is requested that DOE-ORO submit a Change of Interim Status Request to Ohio EPA and US EPA reflecting the changes in the revised Part A Permit Application.

If there are any questions, please contact R. E. Anderson at (FTS) 975-2145.

Sincerely,

Ralph Donnelly
Plant Manager

RGD:TAAcox:taa

Enclosure

cc: J. E. Shoemaker, Jr.

K. W. Sommerfeld (MMRS, K-25)

C. K. Stalnaker

cc/enc: E. W. Gillespie (DOE-PEO)

H. W. Hibbitts (DOE-ORO)

T. P. A. Perry (MMES, K-25)

M. A. Travaglini (DOE-ORO)

File - TAA - RC

Jim Jame



Department of Energy

Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831

March 4, 1988

Mr. William D. Franz, Chief Environmental Review Branch Federal Facilities Coordinator Region V U.S. Environmental Protection Agency 230 South Dearborn Street Chicago, Illinois 60604

Dear Mr. Franz:

PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS), RCRA PART A PERMIT APPLICATION

We have been notified by representatives of Martin Marietta Energy Systems, Inc., (MMES) that on January 14, 1988, EPA requested that MMES submit a revised RCRA Part A permit application for PORTS indicating that MMES as the management and operating contractor for the facility is the "operator," rather than DOE. Apparently this position has been taken as a result of a policy statement issued by EPA Headquarters on RCRA permits generally that are issued for all Government-Owned Contractor-Operated facilities throughout the country.

The Department of Energy has developed a policy for its facilities having management and operating contractors that reflects the policy of EPA Headquarters. DOE's policy recognizes that there may be exceptions to the policy due to the unusual nature of some of our contractual arrangements. Any intent to claim an exception is to be submitted to DOE Headquarters along with a detailed analysis of why the contractor is not responsible for the functions included in the RCRA permits.

The decision of who signs RCRA permits for the various DOE facilities was made a number of years ago, and it has varied from one facility to another because of the roles and responsibilities which the contractor had assumed under its contract. The only recent example that we know of changing such a decision occurred after close review of the roles and responsibilities of DOE and its contractor and, ultimately, after renegotiating the contract to reflect the responsibilities assumed by the contractor in cosigning the permits as operator.

March 4, 1988

A similar detailed functional and contractual review is being done at PORTS. We expect to have our preliminary analysis completed by April 15. It will be forwarded to DOE Headquarters for review, if necessary. We will keep you informed of the progress of this review and the results.

Sincerely,

Ronald O. Hultgren, Director Enriching Operations Division

CC-10:CSP



Oak Ridge Operations P. O. Box E Oak Ridge, Tennessee 37831

February 11, 1988

Mr. George Hamper, Chief Waste Management Division Technical Programs Section, Ohio Unit U.S. EPA, Region V 230 South Dearborn Street Chicago, Illinois 60604

Dr. Richard L. Shank, Director Ohio Environmental Protection Agency 1800 WaterMark Drive, Post Office Box 1049 Columbus, Ohio 43266-1049

Gentlemen:

OH7890008983

FEB 1 6 1988

U. S. EPA, REGION V SWB - PMS

RCRA PART A REVISION - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

Reference is made to my letter dated November 30, 1987, subject as above. Enclosed as required by the 40 CFR 270.72(a) is a revised Part A reflecting the storage of two additional waste streams F003 and F005.

In addition, the Part A has been revised to include two new waste identification numbers. A review of our hazardous waste facility operating log indicated that another waste was misidentified. This waste stream involved 1,1,1-trichloroethane that was identified as U228. It is felt that this should be more appropriately identified as F002. The necessary steps will be taken to correct the operating log as well as the labels on the containers.

The second new waste number is a result of our commitment of evaluating all waste streams at PORTS. Preliminary indications are that a metal turnings waste may be EP Toxic due to the presence of lead in the leachate, warranting an EPA Waste ID Number of DOO8. At this time, it appears that only part of the metal turnings is hazardous, specifically a brass turning operation. An investigation is continuing in order to determine the exact operation that generates the waste and effectively segregate that waste from other metal turning operations. However, the waste stream has been added to the Part A in anticipation of confirmation of the data. All future turnings that exhibit EP Toxicity will be stored in the X-752 Interim Status Facility.

In the past, this waste stream has been placed into storage at the Low-Level Waste Canister Storage Yard (Southwest of X-744G) with the contaminated scrap metal. The canisters are nickel-lined steel shells with a welded steel bottom. After filling of these with waste, a steel top is also welded on. The scrap metal is being evaluated under DOE's scrap metal program to determine the



Mr. George Hamper -2-February 11, 1988 Mr. Richard L. Shank feasibility for recycling. Because the regulation of recyclable scrap metal has been deferred (Federal Register dated January 4, 1985) we are not currently adding this facility to our Part A. Additionally, we are still investigating whether any of this material was placed into the X-749 Contaminated Materials Disposal Area. This facility is already listed on the Part A for having received EP Toxic (for lead) hazardous wastes. If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Protection Division at (615) 576-0848. Sincerely, loe W. Parks. Director SE-31:Travaglini Enriching Operations Division Enclosure: Revised Part A cc w/enclosure: Brian Blair, OEPA Bob Swale, EPA-V Terry Acox, PORTS

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Oak Ridge Operations P. O. Box E Oak Ridge, Tennessee 37831

November 30, 1987

Mr. George Hamper, Chief Waste Management Division Technical Programs Section, Ohio Unit U.S. EPA. Region V 230 South Dearborn Street Chicago, Illinois 60604

Dr. Richard Shank, Director Ohio Environmental Protection Agency 1800 WaterMark Drive, Post Office Box 1049 Columbus, Ohio 43266-1049



Gentlemen:

RCRA PART A REVISION - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

Reference is made to the letter dated July 1, 1987, from J. C. Hall to W. W. Tyler and K. E. Bremer, subject as above. Enclosed is a revised Part A permit application for PORTS. The changes to the Part A and the justification for the changes are provided in Enclosure 2 of the Part A. As you are aware, through previous discussions, it is imperative that the changes to interim status authorizing the waste pile be approved immediately to allow for treatment of the sludge in the X-616 lagoons.

If you have any questions, please contact Mike Travaglini of our Environmental Protection Division at (615) 576-0848 or FTS 626-0848.

Sincerely

Joe W. Parks. Director

SE-31:Travaglini

Enriching Operations Division

Enclosure:

1. Revised Part A Permit Application

Justification

cc w/enclosure: Brian Blair, OEPA Ed Kitchens, OEPA





Oak Ridge Operations Post Office Box E Oak Ridge, Tennessee 37831

July 1, 1987

FEBBINE!

JUL 0 6 1987

Mr. Warren W. Tyler, Director Ohio Environmental Protection Agency Post Office Box 1049 Columbus, Ohio 43266-1049

Columbus, Ohio 43266-1049

Mr. Karl E. Bremer, Chief
Technical Programs Section

U.S.E.P.A., Region V
Post Office Box A-3587
Chicago, Illinois 60690

Gentlemen:

RCRA PART A REVISION - PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS)

Reference is made to the letter from W. F. Manning, dated January 22, 1987, subject: "RCRA Part A and Analytical Data - X-705A Radicator - Portsmouth Uranium Enrichment Complex."

In the May 1, 1987 Federal Register (Page 15937), the Department of Energy published a final rule under the Atomic Energy Act (AEA) interpreting the definition of "by-product material" used in section 11e(i) of the AEA. This rule had an effective date of June 1, 1987. This Part A permit application has been revised to include those materials and facilities which were excluded under the previous interpretation of "by-product material."

The enclosed Part A hazardous waste permit application has one new process (i.e., facility) listed on Form 3 under Section III, Processes, on page 1 of 5. Item 7 lists a containerized storage capacity of one million gallons (estimated) in the X-744G Non-Uranium Enrichment Storage Activity (UESA) Bulk Storage Building. This facility is used for the storage of spent chemical trap material, miscellaneous dried sludges from small parts decontamination operations, ash from the incineration of radioactively contaminated burnables, and vent stream continuous sampling solution. Many of the materials stored in this building are stored in a nuclear-safe configuration due to the concentration and assay of uranium present in the material. In addition for items 4, 5, and 6, the proper code for "unit to measure" has been entered. These were inadvertently deleted in the previous submission.





Mr. Warren W. Tyler Mr. Karl E. Bremer

Additionally, Page 3B of 5 has been revised to include item 2 through 6 which are the materials stored in the Non-UESA Bulk Storage Building. However, items 2 and 3 do not have an Environmental Protection Agency Hazardous Waste Number. The reason for this is that the materials were previously tested for EP Toxic and, while testing is now underway, the results are not yet available. As soon as the results are available, the Part A will be revised accordingly. The incinerator ash has been previously tested and was found to be EP Toxic with barium and cadmium concentrations in the leachate exceeding the regulatory limits.

Pursuant to the requirements of 40 CFR 270.10(e)(ii) and 40 CFR 270.72(a) and (c), we are requesting that you approve this change (X-7746) to interim status at the Portsmouth Gaseous Diffusion Plant. This change is needed because the volume of material and the need for secure storage and in nuclear-safe configuration precludes the use of the X-752 Hazardous Waste Storage Facility which is outside the plant security fence. Most of the material is being processed through the uranium recovery process; however, due the generation rates occasionally exceeding the recovery rates, storage for more than 90 days is required.

If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Protection Division at (615) 576-0848 or FTS 626-0848.

Sincerely,

James C. Hall, Acting Director Enriching Operations Division

SE-31:Travaglini

Enclosure: Revised Part A

cc w/enclosure: B. J. Blair, OEPA Lisa Pierard, EPA-V





Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831

November 25, 1986

Technical Program Section
U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Post Office Box A 3587
Chicago, Illinois 60609

Dear Mr. Bremer:

REVISED PART A PERMIT APPLICATION - PORTSMOUTH URANIUM ENRICHMENT COMPLEX (PUEC)

Reference is made to my letter to Ms. Ardiente and Mr. Tyler, dated April 23, 1986, subject as above.

Enclosed is a revised Part A Permit Application with the following changes:

- Lines 7 through 20 on page 3 of 5 now reflect all the lab chemicals that were lab packed and noted with just one EPA code on our previous submission.
- 2. Line 24 on page 3 of 5 now shows 1000 pounds as the annual amount of acidic waste treated at the X-701B holding pond. The previous submission, line 11 on page 3 of 5, had 100 pounds which was a typographical error.

In addition, line 1 on page 1 of 5 reflects the total storage volume for both liquids and solids of the X-752 hazardous waste storage facility. As noted on our previous submission, this increased volume requires approval as a change to interim status as required in 40 CFR 270.72. This increase is justified because no acceptable disposal method currently exists for the mixed wastes currently being stored in X-752. The area extent of X-752 is $\sim 10,500$ ft² and, with stacking of the waste containers two to three high, will provide for from eight to ten years of storage space. Various treatment and disposal and disposal alternatives are being investigated for these materials but they are not expected to be available for two to four years.

As requested in our previous submission, and as required by 40 CFR 270.72, your prompt approval of this change would be appreciated.

Mr. Karl E. Bremer - 2 - November 25, 1986

If you have any questions or require additional information, please contact Mike Travaglini of our Environmental Protection Division at (FTS) 626-0848.

Sincerely,

AMMALMAN

William F. Manning, Director Enriching Operations Division

SE-31:Travaglini

Enclosure: Revised Part A

cc w/enclosure:
W. W. Tyler, OEPA
Brain Blair, OEPA
E. A. Bracken, SE-31, FORSTL
M. A. Travaglini, SE-31

cc w/o enclosure: R. E. Anderson, GAT H. E. Clark, E0-22 E. W. Gillespie, E0-251



Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831

April 23, 1986

Ms. Edith Ardiente, Chief Technical Program Section U.S. Environmental Protection Agency Region V 230 South Dearborn Street Post Office Box A-3587 Chicago, Illinois 60690

Mr. Warren W. Tyler, Director Ohio Environmental Protection Agency 361 East Broad Street Post Office Box 1049 Columbus, Ohio 43266-1049 RECEIVED;

APR 2 8 1986

U.S. EPA, REGION V

Dear Madam/Sir:

REVISED PART A PERMIT APPLICATION - PORTSMOUTH URANIUM ENRICHMENT COMPLEX (PUEC)

Reference is made to the following three pieces of correspondence:

- The letter from H. D. Fletcher to D. Banaszec and Mr. Tyler, dated October 11, 1985, subject "RCRA Part A Permit Application - EPA ID #0H7890008983."
- My letter, dated January 13, 1986, subject "Revised Part A Permit Application - Portsmouth Gaseous Diffusion Plant."
- 3. The letter from E. M. Ardiente to H. Doran Fletcher, dated January 16, 1986, subject "Notice of Deficiency U.S. DOE Portsmouth Uranium Enrichment Plant OH7 890 008 983."

Enclosed is a revised Part A Permit Application which includes all hazardous waste facilities as requested by the third reference above. Included with the application is the justification of changes made since the January 13 submission. The January 13 submission included the justification for changes made since the original submission.



The enclosed Part A Permit Application includes those mixed waste streams which it appears will be regulated under RCRA given the draft definition of byproduct material that has been developed by DOE/EPA. DOE is working to meet its RCRA permitting requirements using the existing draft definition of byproduct materials as a guideline. However, the information pertaining to mixed waste is being submitted with the understanding that the final resolution of this matter at the Federal level could result in a definition of byproduct material that would exempt certain of the waste streams from RCRA regulation.

If you require additional information, please contact Mike Travaglini of our Environmental Protection Branch at (615) 576-0848 or (FTS) 626-0848.

Sincerely

William F. Manning, Director Enriching Operations Division

SE-331:Travaglini

Enclosure:

Part A Permit Application

cc w/enclosure:

M. R. Moschell, OEPA

Lisa Pierard, EPA-V

E. A. Bracken, S-3, FORSTL

M. A. Travalgini, SE-331

cc w/o enclosure:

R. E. Anderson, GAT

H. E. Clark, E0-22

E. W. Gillespie, E0-251



Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831

January 13, 1986

Ms. Edith Ardiente, Chief Technical Program Section U.S. Environmental Protection Agency Region V 230 South Dearborn Street Post Office Box A 3587 Chicago, Illinois 60690

Mr. Warren W. Tyler, Director Ohio Environmental Protection Agency 361 East Broad Street Post Office Box 1049 Columbus, Ohio 43216-1049 The conversion of the conversi

JAN 1 7 1986

U.S. EPA, REGION V

Dear Madam/Sir:

REVISED PART A PERMIT APPLICATION - PORTSMOUTH GASEOUS DIFFUSION PLANT

Reference is made to the letter from M. Moschell to H. D. Fletcher, dated November 25, 1985, subject "Pike County, U.S. Department of Energy, Portsmouth Uranium Enrichment Plant, Hazardous Materials, 0H7890008983."

Enclosed is a corrected copy of the Part A Permit Application which addresses the comments in the referenced letter.

If you require additional information, please contact Mike Travaglini of our Environmental Protection Branch at (615) 576-0848 or (FTS) 626-0848.

Sincerely,

William F. Manning, Director Enriching Operations Division

SE-331:Travaglini

Enclosure:

Part A Permit Application

cc w/enclosure: M. R. Moschell, OEPA Lisa Pierard, EPA-V M. A. Travaglini, SE-331

cc w/o enclosure: R. E. Anderson, GAT



State Of Ohio Environmental Protection Agency

Southeast District Office 2195 Front Street; Logan, Ohio 43138 -9031

(614) 385 - 8501

Richard F. Celeste, Governor

November 25, 1985

U. S. Department of Energy P.O. Box E Oak Ridge, Tennessee 37831

WASTE URINOH U.S. EPA, RECIDIN V

.305

Attention: Mr. H. Doran Fletcher

SUJECT: Pike County, U.S. Department of Energy,

Portsmouth Uranium Enrichment Plant, Hazardous Materials,

OH7890008983

Dear Sir:

On October 21, 1935, this office received a cover letter and revised Part A application from you for TSD activities at the above-referenced facility. The application has been reviewed by this office, and is being returned to you for correction. Below is a list of problems noted or changes necessary to allow further review for acceptance:

- 1. No justification is given for any of the changes made, as required.
- 2. The X-749 Landfill is shown on the application, as though a request were being made to allow hazardous waste disposal. It is believed this site was intended for listing as a solid waste management unit with a verified release. Please clarify.
- 3. Please supply the required justification for listing the X-701B impoundment on the revised permit.
- 4. The units of measure have all been changed to metric units. When re-converted to units given on the previous Part A, lower figures from the original application were obtained, some by one-half the original value. Please check to make sure this is intentional.
- 5. Improper units of measure were used on Page 3 of 5. Please read the instructions on Page 2 of 5 carefully to complete this section. Several new wastes were added, and some deleted from the previous application without explanation, making review difficult
- 6. The oil plots have been changed to waste piles, on page one of five, without submitting a closure plan or justification.

U.S. Department of Energy November 25, 1985 Page 2

Please make the necessary changes and return the corrected copy to our Central Office, with a courtesy copy to me, at your earliest convenience. USEPA has requested Ohio EPA's completeness comments on your facility's Part B application by December 18, 1985.

Our compliance with this deadline is contingent upon your prompt response.

Sincerely,

Michael Moschell

Inspector

Division of Solid & Hazardous Waste Management

MM:dm

cc: Tom Crepeau, DSHWM, CO cc: Ed Kitchen, DSHWM, CO

Michael Moschell

cc: Bob Anderson, GAT
Lisa Pierard, USEPA, Region V



Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831

October 11, 1985

Mr. Dan Banaszek
RCRA Activities
U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Post Office Box A 3587
Chicago, Illinois 60690

Mr. Warren W. Tyler, Director Ohio Environmental Protection Agency 361 East Broad Street Columbus, Ohio 43216 REGELVED

OCT 2 1 1985

U.S. EPA, REGION V

Gentlemen:

RCRA PART A PERMIT APPLICATION - EPA ID #0H78900089836 TSD PA

Enclosed is the revised and updated Part A Permit Application for the Portsmouth Gaseous Diffusion Plant. Included with the application is the justification for change in interim status. The Department of Energy (DOE) has combined the RCRA Hazardous Waste and the Radioactive/Hazardous Mixed Waste into this one Part A. This decision is made in anticipation of regulatory changes which might subject these mixed wastes to RCRA jurisdiction. The inclusion of the mixed waste is made at this time, in light of the Hazardous and Solid Waste Amendments of 1984, so as to avoid regulatory problems in the future should these mixed wastes become subject to RCRA.

The enclosed Part A Permit Application includes those mixed waste streams which it appears will be regulated under RCRA given the draft definition of byproduct material that has been developed by DOE/EPA. DOE is working to meet its RCRA permitting requirements using the existing draft definition of byproduct materials as a guideline. However, the information pertaining to mixed waste is being submitted with the understanding that the final

resolution of this matter at the Federal level could result in a definition of byproduct material that would exempt certain of the waste streams from RCRA regulation.

Any questions related to the subject should be directed to Mike Travaglini of our Environmental Protection Branch at (615) 576-0848 to FTS 626-0848.

Sincerely,

H. Doman Fletcher, Director Enriching Operations Division

SE-331:Travaglini

Enclosure:
Part A Permit Application

cc w/o encl.: Mike Moschell, OEPA, Logan Bob Anderson, X-100, GAT



Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee 37831
July 6, 1984

Mr. Dan Banaszec RCRA Activities U.S. Environmental Protection Agency Region V 230 South Dearborn Street Post Office Box A 3587 Chicago, Illinois 60690 ->0H7 890008983 NOT-1 0H6 890 008 976 NOT-1

Dear Mr. Banaszec:

PART A PERMIT APPLICATIONS

On April 13, 1984, the U.S. District Court for the Eastern District of Tennessee ruled that non-radioactive hazardous waste activities at DOE facilities, authorized by the Atomic Energy Act, are regulated by the Resource Conservation and Recovery Act (RCRA).

To initiate the regulatory process, enclosed are Part A Permit Applications for our hazardous waste Treatment, Storage, and Disposal (TSD) facilities at the Portsmouth Gaseous Diffusion Plant. These applications cover existing TSD facilities and any TSD facility under construction. Under construction is defined as any construction project approved as of April 13, 1984.

Also enclosed for your information is a copy of the Part A permit information for radioactive mixed waste facilities at the Portsmouth Gaseous Diffusion Plant and Feed Materials Production Center (FMPC). This information is submitted under the Memorandum of Understanding between DOE and EPA for hazardous waste and radioactive mixed waste management. FMPC does not store, treat, or dispose non-radioactive hazardous waste.

You are invited to visit these facilities to discuss both our hazardous waste and radioactive mixed waste management activities. If you would like to visit the facility or have any questions, please contact Bob Sleeman at (615) 576-0850.

Sincerely,

Boobby Joe Davis, Acting Chief Environmental Protection Branch

Safety and Environmental Control Division

SE-331:Sleeman

Enclosures:

1. Hazardous Permit Appl.

2. Radioactive Info.

cc w/enclosures:

R. M. Spenceley, NLO

N. H. Hurt, GAT

M. R. Theisen, DP-81

H. D. Fletcher, E0-22 J. L. Foutch, CC-10

·

WMD-RAIU EPA. REGION V

JUL 1 2 1984



Oak Ridge Operations P. O. Box E Oak Ridge, Tennessee 37831

April 4, 1984

U.S. Environmental Protection Agency

Region V

ATTN: Mr. Dan Banaszec

RCRA Activities

Post Office Box A 3587 Chicago, Illinois 60690

0H7890008983 G,TRS,TSD 0H6890008976 G,TRS,TSD

Gentlemen:

RCRA PART A PERMIT APPLICATIONS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT AND THE FEED MATERIALS PRODUCTION CENTER

The recent Memorandum of Understanding (MOU) between the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy for hazardous waste and radioactive mixed waste management establishes a program for EPA review of DOE waste management information. To provide you with some initial information on the Portsmouth Gaseous Diffusion Plant and the Feed Materials Production Center, Part A Permit Applications are enclosed for these facilities. Since these applications are provided for information and not to initiate any permit action, the owner and operator certifications are not signed. As implementation guidance on the MOU is developed, we will furnish you additional information.

If you have any questions concerning hazardous waste activities at these facilities, please contact Bob Sleeman at (FTS) 626-0850.

Sincerely,

Robert C. Sleeman

Doc Bobby Joe Davis, Acting Chief Environmental Protection Branch Safety and Environmental Control Division

SE-331:Sleeman

Enclosures:

1. PORTS Permit Application

2. FMPC Permit Application

cc w/o encls:

J. K. Bland, EPA-IV

M. R. Theisen, DP-81

H. D. Fletcher, E0-22

J. L. Foutch, CC-10



DEC 1 1982

-WASTE MANAGEMENT BRANCH EPA. REGION V

NOV 1 8 1982

Department of Energy Oak Ridge Operations P.O. Box E Oak Ridge, Tennessee 37830

RCRA Activities U.S. EPA Region V Post Office Box A 3587 Chicago, IL 60690-3587 Non-handler (nactive 1) # 3/14/84

Gentlemen:

TSD NOTIFICATION WITHOUT PART A APPLICATION, FEED MATERIALS PRODUCTION CENTER, FERNALD, OHIO (10/10/16890008976) AND PORTSMOUTH GASEOUS DIFFUSION PLANT, PIKETON, OHIO (10#0H7890008983)

We are in receipt of your September 28, 1982, letters concerning the lack of Part A submittals for the subject Department of Energy facilities. As discussed with Ms. Bloom of your staff, by Mr. Chris Bird, on October 18, 1982, Part A applications were not submitted for these facilities (after the August 1980 TSD Notifications for the same facilities) because of subsequent guidance from our Headquarters in Washington, D.C. that determined these facilities to be exempt from EPA regulation as authorized by RCRA. This exemption is provided for by Section 1006(a) of RCRA, which states, in part, "Nothing in this act shall be construed to apply toany activity or substance which is subject toAtomic Energy Act of 1954, except to the extent that such application (or regulation) is not inconsistent with the requirements of such Act." It is the Department of Energy position that this provision excludes any Atomic Energy Act activity from regulation under RCRA. The propriety of this interpretation is currently being verified in correspondence between DOE and EPA Headquarters.

Therefore, Part A applications for the subject facilities conducting activities authorized by the Atomic Energy Act were not submitted. If you have any further questions, please contact Chris Bird of my staff at FTS 626-0847.

Sincerely

F. Wing thief

Environmental Protection Branch Safety and Environmental

Control Division

SE-331:CB

CC:

V. J. D'Amico, SE-30

J. L. Foutch, CC-10

H. Doran Fletcher, E0-22

H. D. Hickman, DP-80

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questions, you must submit this form and if the supplemental form is attached. If y is excluded from permit requirements; see	ou answer "no" t	o sech q estructio	ns. See also	ou need not submit any of t	hese forms. You may answer "no	" if yo	our act	ivity
SPECIFIC QUESTIONS		RE 400	ATTAGE		e euestions	763	** •	FORM
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C. Is this a facility which currently results so waters of the U.S. other than the	tt in discharges	X X	10		lity (other than those described ich will result in a diseherse to	1	x	
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E. Does or will this facility treet, store hexardous wester? (FORM 3)	a, or dispose of	X		municipal effluent bel taining, within one	ject at this facility industrial or low the lowermost stratum con- quarter mile of the well bore, if drinking weter? (FORM 4)		X	12
G. Do you or will you inject at this facility				H. Do you or will you in	ject at this facility fluids for spe-			 _
in connection with conventionel oil or duction, inject fluids used for enhan	netural gas pro-	X		process, solution min	mining of sulfur by the Fresching of minerals, in situ combus-		x	
oil or natural gas, or inject fluids for hydrocarbons? (FORM 4)		24 39	34	tion of fossil fuel, or (FORM 4)	recovery of geothermal energy?	_	50	
Is this facility a proposed stationery one of the 28 industrial categories		* 10			osed stationary source which is ndustrial categories listed in the	1		
structions and which will potentially per year of any air politizant requi	emit 100 tons	x	}	instructions and which	h will potentially emit 250 tons lutant regulated under the Clean	1	x	
Cleen Air Act and may affect or b attainment area? (FORM 5)	e located in an	40 41	41		ct or be located in an attainment	49		44
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V. FACILITY CONTACT			*			B		
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V. FACILITY MAILING ADDRESS					40 19 19 19			
	TREET OR P.O. I		·					
PO BOX 2001	ENV P		ECT.	DTV.				

B. CITY OR TOWN

ROUTE

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

4 0 A K

VL FACILITY LOCATION

PA Form 3510-1 (6-80)

RIDGE

DISTATE & ZIP CODE

OH 45661

D. TIP CODE

ONTINUED FROM THE FRONT				
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C. THIRD		19 (10	D. FOURTH	- Lib
(specify)		c (specify)		
110 - 10		7		
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XI, MAP	0 (10 16 17 10	10		
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the outline of the facility, the location of (ech of its existing and p	roposed intaks and dische	rge structures, each of it	s hezerdous western a
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violations.		ng the primainility of fine and		
Dr. Ronald O. Hultgren, Direc	tor	URE //	[6,]	CATE SIGNED
Enriching Operations Division		1/2/2 / / 1 /	(/)	1/7/88
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III. PROCESSES (continued)

- C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04") FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.
- 1. X-752 Hazardous Waste Storage Facility-estimated capacity 110 208-liter (55 gallon) drums within the contained area (i.e., liquid wastes) and estimated 2200 drums or 500 1-cubic yard polyethylene containers
- 2. X-616 Chromium Sludge Lagoons (volume adjusted to include North Lagoon)
- X-701B Holding Pond
- X-231B Oil Biodegradation Plot
- X-749 Contaminated Materials Disposal Facility
- X-705A Radicator
- X-744G Non-UESA Bulk Storage Building 7.
- 8. X-326 Waste Storage Facility
- Storage tank for Chromic Cleaning Solution, X-700 Building

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	Т	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

- 1. PROCESS CODES:
 - For listed hexardous wests: For each listed hexardous wests entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wester that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item rV-D(1), and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the weste and describing all the processes to be used to treat, store, and/or dispose of the weste.
- 2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on the line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) -- A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	T	A.	E	PA				UNI		D. PROCESSES								D. PROCESSES				
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EPA Form 3510-3 (6-80)

PÁGE 4 OF 5

CONTINUE ON PAGE 5

8

US EPA PART A, FORM 3

ATTACHMENT I

Page 3A of 5

- 1. Includes miscellaneous laboratory solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3,4. Paint spray booth wastes have EPA waste codes D001 and D008.
- 7-20. Miscellaneous small quantity laboratory chemicals.
- 21,22. Metals sludge from raffinate treatment process.
- 25,26. Metals sludge from raffinate treatment buired in X-749 Contaminated Materials Disposal Facility (8/84 6/85).

Page 3B of 5

- 1. Flammable solvents mixed with burnable solids and incinerated in X-705A Radicator (8/85 4/86).
- 2. Miscellaneous dreid sludges from small parts and handtable decontamination operations. Commonly referred to as "gunk".
- 3,4. Ash from incineration of contaminated burnables.
- 5. Flammable mixed wastes (various assays).
- 6. Mixed wastes (various assays) EP Toxic waste.
- 11,12. Chromic Cleaning Solution (mixture of sodium dichromate and sulfuric acid).

SEPA	GENERAL INFORMA	ATION	FOR 789000	8983
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if the supplemental form is exacted. If you are is excluded from permit requirements; are Section	ner "ne" to each question, ye n C of the instructions. See also	in need not submit any of the Section D of the instruction	ne forms. You may answer "I ne for definitions of bold—face	id terms
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L is this a facility which currently results in the waters of the U.S. other than those the	Contrarges :	in A or 8 about which	ty legior than them described in will result in a dississipp to	. ,
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G. Do you or will you inject at the facility on water or other fluids which are brought to in connection with conventional oil or rate decision, inject fluids used for enhanced oil or natural gas, or inject fluids for storaghydrocarbone? (FORM 4)	produced the surfacer rel gas pro- squeery of ps of liquid	ent promise sich a grassis, delution minis tion of fitali fuel, or s (FORM 4)	ect at this tegility fluids for go mining of author by the Francis of all minorals, in also agricultus econory of goothermal energy	X
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III. PROCESSES (continued)

SPACE FOR ADDITIONAL PROCESS CODES

OR DESCRIBING OTHER PROCESSES (code TO

FOR EACH PROCESS ENTERED HERE

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- 1. X-752 Hazardous Waste Storage Tacility- estimated capacity 110 208-liter (55-gallon) drums within the contained area (i.e., liquid wastes) and estimated 2200 drums or 500 1-cubic vard polyethylene containers.
- 2. K-616 Chromium Sludge Lagoons (volume adjusted to include North Lagoon).
- 3. X-701B Holding Pond
- 4. X-231B Oil Biodegradation Plot
- 5. X-749 Contaminated Materials Disposal Facility
- 6. X-705A Radicator
- 7. X-744G Non-UESA Bulk Storage Building
- 8. X-326 Waste Storage Facility
- 9. X-616 Treated Sludge Waste Pile

IV. DESCRIPTION OF HAZARDOUS WASTES

- A EPA HAZARDOUS WASTE NUMBER Enter the four—cigit number from 40 CFR, Subpert D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four—digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed wests entered in column A estimate the quantity of that wests that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE	COI
POUNDS,	KILDGRAMS	K
TONS	METRIC TONS	

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For fisted hexardous weeks: For each listed hexardous wests entered in column A select the code/s) from the list of process codes contained in Item III to indicate how the wests will be stored, treated, and/or disposed of at the facility.

For non-listed hexardous wastes: For each characteristic or toxic contaminent entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hexardous wastes that possess that characteristic or toxic contaminent.

Note: Four spaces are provided for entering process codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in the soctreme right box of term IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hezardous westes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardoux Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hezardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous wasts.

EXAMPLE FOR COMPLETING ITEM IV (snown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat end dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non—insted westes. Two westes are corrosive and ignitiable and there will be an estimated 100 pounds per year of that weste. Treatment will be in an incinerator and disposal-will be in a lendfill.

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IV. DESCRIPTION OF HAZARDOUS WAST	continued	المنتصرينا والمحادث والمحادث	
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V. FACILITY DRAWING			
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VIII. FACILITY OWNER			
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skip to Section IX below.		diromi, diam's imome	, place at A 11 the act to the left and
If the facility owner is not the facility open	etor as listed in Section VIII	on Form 1, complets the falls	wing items:
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F F. U. BOX E	<u> </u>	ık Ridge	3.7.8.3.4
IX. OWNER CERTIFICATION		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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for knowing violations.			
A. MAME (Print or type)	E. MONATURE	_ 1	C. DATE SIGNED
Joe W. Parks, Director		· H. I	FEB 1 1 1988
Enriching Operations Division		J 9 Nicky	
X. OPERATOR CERTIFICATION			
	that this secured as all	attachments were prepared under	ev direction or supervision in
accordance with a system design	ned to assure that qualified	personnel preparty gather and a	waluate the information submitted.
			tly responsible for gathering the accurate, and complete, I am awart
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EPA Form 3510-3 (6-80

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US EPA PART A, FORM D

ATTACHMENT I

Page 3A of 5

- 1. Includes miscellaneous laboratory solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3,4. Paint spray booth wastes have EPA waste codes D001 and D008.
- 7-20. Miscellaneous small quantity laboratory chemicals.
- 21,22. Metals sludge from raffinate treatment process.
- 25,26. Metals sludge from raffinate treatment buried in X+749 Contaminated Materials Disposal Facility (8/84 6/85).

Page 3B of 5

- 1. Flammable solvents fine: with jurnable sollds and incinerated in M-705A Radicator (8/85 4/86).
- 2. Miscellaneous dried sludges from small parts and hand-table decontamination operations. Generally referred to as "gunk".
- 3,4. Ash from incineration of contaminated burnables.
- 5. Flammable mixed wastes (various assays).
- 6. Mixed wastes (various assays)-waste may be EP Toxic Testing Program underway.

PIKETON

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The Portsmouth Gaseous Diff	usion Plant has 1	een operating	since 1954. The	plant enrich
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4 Form 3510-1 (6-30)

Joe W. Parks, Director Enriching Operations Division

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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

- 1. X-752 Hazardous Waste Storage Facility- estimated capacity 110 208-liter (55-gallon) drums within the contained area (i.e., liquid wastes) and estimated 2200 drums or 500 1-cubic yard polyethylene containers.
- X-616 Chromium Sludge Lagoons, (volume adjusted to include North Lagoon).
- X-701B Holding Pond
- X-231B Oil Biodegradation Plot
- X-749 Contaminated Materials Disposal Facility
- X-705A Radicator
- 7. X-744G Non-UESA Bulk Storage Building
- X-326 Waste Storage Facility
- X-616 Treated Sludge Waste Pile

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER Enter the tour-digit number from 40 CFR, Support D for each listed hazardous waste you will handle. If y handle hazardous westes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristies and/or the toxic contaminants of those nazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annubasis. For each cheracteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handle. which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriat codes are:

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METRIC UNIT OF MEASURE

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

- 1. PROCESS CODES:
 - For listed hexardous wests: For each listed hexardous wests entered in column A select the code/s/ from the list of process codes contained in Item IV to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminent entered in column A, select the code(s) from the list of process code. contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hezardous wester that possess that characteristic or toxic contaminent.

Note: Four spaces are provided for entering process codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in t extreme right box of Item IV-D(1); and (3) Error in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER -- Hazardous westes that can be described : more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Selections of the EPA Hazardous Wasta Numbers and enter it in column A. On the same line complete-columns B.C. and D by estimating the total end
- quantity of the wasts and describing all the processes to be used to treat, store, and/or dispose of the wasts.

 2. In column A of the next line enter the other EPA Hezardous Waste Number that can be used to describe the wasts. In column D(2) on that line

"included with above" and make no other entries on the ine.

Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV Ishown in line numbers X-1, X-2, X-3, and X-4 below! — A facility will treat and dispose of an estimated 900 : per year of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non-listed westes. Two e corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an esti-100 pounds per year of that weste. Treatment will be in an incinerator and disposal will be in a landfill.

	T.	A.	27	• 🗚	T		c.	UN	ſΤ	L										 		D. PROCESSES
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- - ued from page 2. THE Photocopy this page before completing if you have more than 26 wastes to list. Form Approved OMB No. 158-S8CC: FOR OFFICIAL USE ONLY EPA I.D. NUMBER (enter from page-1) 8 DUP DUP W10 IV. DESCRIPTION OF HAZARDOUS WASTES (continued) C. UNIT OF MEA-SURE (enter code) D. PROCESSES A. EPA
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(enter code) D. PROCESSES B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) 25 27 P DOOL 3,200 G T Mixed Wastes P S 0 12,000 Possible Mixed Waste 3 Р DIO O 5 1,500 S 0 Mixed Wastes 0 0 0 6 DO 01 500 0 Mixed Wastes D 0 2 500 S 0 1 Mixed Wastes 7 3 9 10 11 12 13 14 15 16 17 18 19 20 21 23 24 26

EPA Form 3510-3 (6-80)

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All existing facilities must include in the space provided	on page 5 a scale drawing of the facil	ity (see instructions	for more detail.	
VI. PHOTOGRAPHS	Part of the second			
All existing facilities must include photographs (a	erial or ground-level) that clear	iv delineate all ex	usting structures; existing storage.	- A
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VIII. FACILITY OWNER			74 75 16 777 - 19	and the second
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A. If the facility owner is also the facility operator: skip to Section IX below.	as listed in Section VIII on Form 1, "	'General Informatio	n", place an "X" in the box to the left	and
sup to success in below,				
8. If the facility owner is not the facility: operator a	sisted in Section VIII on Farm 1, c	omplete the follow	ing izems;	
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A Form 3510-3 (6-80)

US EPA PART A, FORM 3

ATTACHMENT I

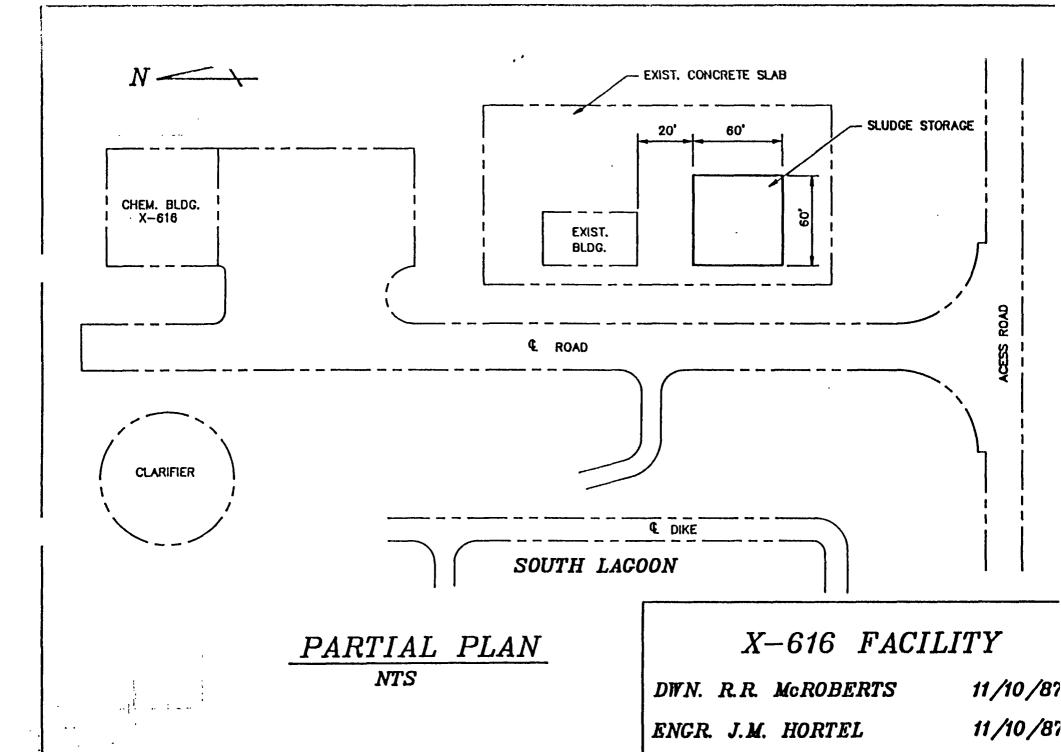
Page 3A of 5

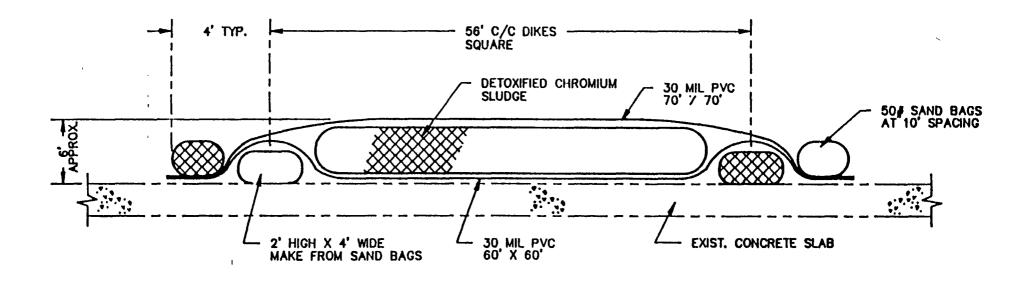
- 1. Includes miscellaneous laboratory solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3,4. Paint spray booth wastes have EPA waste codes D001 and D008.
- 7-20. Miscellaneous small quantity laboratory chemicals.
- 21,22. Metals sludge from raffinate treatment process.
- 25,26. Metals sludge from raffinate treatment buried in X-749 Contaminated Materials Disposal Facility (8/84 6/85).

Page 3B of 5

- 1. Flammable solvents mixed with burnable solids and incinerated in X-705A Radicator (8/85 4/86).
- 2. Miscellaneous dried sludges from small parts and hand-table decontamination operations. Generally referred to as "gunk".
- 3,4. Ash from incineration of contaminated burnables.
- 5. Flammable mixed wastes (various assays).
- 6. Mixed wastes (various assays)-waste may be EP Toxic Testing Program underway.

Part A Application Form 3 Enclosure II





CROSS-SECTION THROUGH INTERIM STORAGE APPROX. STORAGE CAPACITY 20,000CF

X-616 FACILITY

DWN. R.R. McROBERTS

11/10/8

ENGR. J.M. HORTEL

11/10/8

rt A Application rm 3 Hachment III

Part A Application

There are several changes to the Part A Permit Application as a result of the request for the interim status change. All of the changes are on Form ? of the application and are as noted below:

- 1. Sect. III, line 2 The capacity of the surface impoundment(s) has been doubled to reflect the addition of the North Lagoon.
- 2. Sect. III, line 8 The total design capacity of the X-326 Waste Storage Facility is depicted. It should be noted that, at any given time, a large percentage of the capacity may be taken up by nonhazardous materials.
- 3. Sect. III, line 9 The volume of the waste pile created by the treatment and dewatering of chromium sludge is estimated to be 800 cubic yards.
- 4. Sect. IV, page 3B of 5 Twenty thousand (20,000) pounds of containerized material was removed from line 2. This quantity represented chemical trap material which has been found to be nonhazardous. The twelve thousand (12,000) pounds (now shown in line 2) represents a mixed waste called "gunk" and test results are not yet available.
- 5. Sect. IV, page 3B of 5 Lines 3 and 4 represents incinerator ash from contaminated burnables. Currently, there is no ash in inventory and none is being generated due to the incinerator being shut down.
- 6. Sect. IV, page 3B of 5 Line 6 represents waste streams referred to as lab acids, carbonate solutions, and other aqueous solutions. An estimated 30 % to 50 % of the lab acids are hazardous by virtue of the pH being less than 2.0. Laboratory tests are underway on representative samples of all solutions to determine if other hazardous characteristics are present.

X-616 Chromium Sludge North Impoundment

In December 1985, a misvalving incident caused an undetermined amount of chromium sludge to be discharged into the X-616 North Impoundment instead of the South Impoundment per normal operations. Subsequently, samples were collected from the bottom of the north impoundment and analyzed using US EPA approved protocol for EP Toxicity. The were found to be EP Toxic by virtue of exceeding the regulatory limits for chromium in leachate from the samples.

For this reason, US DOE requests that the status of the North Impoundment be changed to the storage of an EP Toxic sludge. The North Impoundment is not intended to be used for the storage of any additional sludge, therefore, the volume in storage will not be increased at any future date. However, it should be pointed out that, due to closure activities beginning in the spring of 1988, the North Impoundment will not be entered into the Part B Permit Application. For that reason, certain RCRA required activities, e.g., engineering certification of the dike walls, will not be performed. Other activities, such as inspections and security measures, are in place or will be initiated immediately.

X-616 Treated Sludge Waste Pile

On May 22, 1987, DOE-ORO sent a letter to US EPA, Region V, and OEPA requesting a Change in Interim Status for the X-616 Chromium Sludge Lagoon. The request was to allow the treatment of a portion of the sludge to render it nonhazardous and subsequently bury the resultant sludge cake in the X-735 Sanitary Landfill. In a letter dated October 13, 1987, US EPA approved the treatment process, but required that approval from OEPA be obtained prior to beginning any treatment.

Since the request for treatment was submitted, US DOE has become aware that the chromium sludge contains low concentrations of hazardous constituents, specifically, halogenated solvents. Both US EPA and OEPA were subsequently made aware of the presence of the solvents in the sludge. Because of this contamination, OEPA has not yet determined the status of the treated sludge waste pile; they consider the sludge may be a listed hazardous waste. A final resolution is pending. The US DOE position is that the material is nonhazardous for two reasons; first, the TCLP tests performed on the sludge indicated solvent concentrations below significance levels and second, the waste stream entering the X-616 treatment facility is specifically exempted from RCRA regulatory authority.

However, a Change of Interim Status is requested to allow the formation of a hazardous waste pile. It should be noted that, once a final regulatory determination is made, the waste pile may be removed from the Part A application. At this time, indications are that OEPA will exempt the waste pile from the Part B permitting process, however, certain aspects of the RCRA regulations are to be followed, e.g., inspections, security requirements, etc. Ohio EPA (Ed Kitchen) has discussed this action with US EPA (George Hamper).

X-326 Mixed Waste Storage Area

The X-326 Mixed Waste Storage Area is currently being upgraded to meet the RCRA standards for a hazardous waste storage area. The waste to be stored in this area are classified as mixed wastes, i.e., having radioactive and hazardous characteristics. The justification for requesting the change is partially due to the Final Interpretative Rule regarding by-product material. However, this request is for an additional storage capacity due to recent changes in Department of Energy requirements concerning security measures for storage of specified levels of radioactively contaminated wastes. The X-326 Storage Area provides the necessary level of security protection.

All aspects of the RCRA regulations will be met. As stated, the physical facilities are being upgraded to meet RCRA standards. Inspections, operating records, and other required aspects of RCRA will be implemented as soon as possible. Inspections of the facility and the reasons for requesting the new area are available to EPA personnel with the appropriate authorization from DOE security.

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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES ON FOR DESCRIBING OTHER PROCESSES (code "T) FOR EACH PROCESS SMITTED INCLUDE DESIGN CAPACITY.

- 1. X-752 Hazardous Waste Storage Facility estimated capacity 110 208-liter (55-gallow) drums within the contained area (i.e., liquid wastes) and estimated 2200 drums or 500 1-cubic yard polyethylene containers.
- 2. X-616 Chromium Sludge Lagoon
- 3. X-701B Holding Pond
- 4. X-231B Oil Biodegradation Plot
- 5. X-749 Contaminated Materials Disposal Facility
- 6. X-705A Radicator
- 7. X-744G Non-UESA Bulk Storage Building

			AZARDOUS WA	
TV.	DECLETION	/10 H	A / A D / W M I C W A	C-1-F-C

- A EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Subpert D for each listed hazardous weste you will handle. If you handle hazardous westes which are not listed in 40 CFR, Subpert D, enter the four-digit number(s) from 40 CFR, Subpert C that describes the characteristies and/or the toxic conteminants of those hazardous wester.
- B. ESTIMATED ANNUAL QUANTITY -- For each listed waste entered in column A estimate the quantity of that wests that will be handled on an annual preservation or toxic conteminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled
- C. UNIT OF MEABURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the 認知理解的 codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
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If facility reserve use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure tables in 33 account the appropriate density or specific gravity of the west

D. PROCESSES

1. PROCESS CODES:

For listed hexardous waster. For each listed hexardous weste entered in column A select the code/s/ from the list of process codes contained in Item III to indicate how the weste will be stored, and/or disposed of at the facility.

For nen-listed hexardeus wastes: For each characteristic or toxic contaminent entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess. that characteristic or taxic contaminent.

Nest: Four spaces are provided for entering precess codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in the excreme right out of four NV-D(11; cod(3) Enter in the space provided an page 4, the line needed and the exhibitional code(s).

2. PROCESS DESCRIPTION: If a cody is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hezardous westes that can be described by more then one EPA Hazardous Weste Number shell be described on the form as follows:

- 1. Select one of the EPA Hazardous Westo Numbers and enter it in column A. On the same line complete-columns B.C, and D by estimating the 1995 CORNEL
- quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

 2. In column A of the next line enter the other EPA Hezardous Weste Number that can be used to describe the wasts. In column D(2) on the line enter the other line enter "Included with above" and make no other entries on the line.

 3. Repart sep 2 for each other EPA Hazardous Waste-Number that gam be used to describe the hazardous waste.

EXAMPLE POR COMPLETING ITEM IV. Ishown in line number X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 990 passids. per year of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non-listed wester. Two wastes are corrosive only and there-will be an estimated 200 pounds per year of each weste. The other weste is corrosive and ignitable and there will be an estimated 100 pounds per year of that weeks. Treatment will be in an incinerator and disposal will be in a landfill.

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EPA Form 3510-3 (6-80)

PAGE 4 OF 5

CONTINUE ON PAGE 5

US EPA PART A, Form 3 Attachment I

Page 3A of 5

- 1. Includes miscellaneous laboratory solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3,4. Paint spray booth wastes have EPA waste codes D001 and D008.
- 7-20. Miscellaneous small quantity laboratory chemicals.
- 21,22. Metals sludge from raffinate treatment process.
- 25,26. Metals sludge from raffinate treatment buried in X-749 Contaminated Materials Disposal Facility (8/84 6/85).

Page 3B of 5

- 1. Flammable solvents mixed with burnable solids and incinerated in X-705A Radicator (8/85 4/86).
- 2. Spent chemical trap material consisting of alumina (aluminum oxide), magnesium fluoride, and/or sodium fluoride. Used for the removal of radioactive materials from process vents.
- 3. Miscellaneous dried sludges from small parts and hand-table decontamination operations. Generally referred to as "gunk".

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4.5. Ash from incineration of contaminated burnables.

C. CITY OR TOWN

EPA Form 3510-1 (6-80)

11/25/86

E. ZIP CODE

5 6 6

D.STATE

. COUNTY CODE

(if known)

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III. PROCESSES (continued)

. Space for additional process codes or for describing other processes (code 104"). For each process entered here include design-capacity.

- 1. X-752 Hazardous Waste Storage Facility; estimated capacity 110 208-liter (55-gallon) drums within the contained area (for liquid wastes) and an estimated 2200 drums or 500 1-cubic yard polyethylene containers.
- 2. X-616 Chromium Sludge Lagoon
- 3. X-701B Holding Pond
- 4. X-231B Oil Biodegradation Plots (Currently undergoing closure)
- 5. X-749 Contaminated Materials Disposal Facility

TV.	DESCRIPTION	OF HAZARDOUS	WASTER

- A. EPA HAZARDOUS WASTE NUMBER Enter the four—digit number from 40 CFR, Subpert 0 for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart 0, enter the four—digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed weste entered in column A estimate the quantity of that west that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code, Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	📂	KILOGRAMS	K
TONS	T	METRIC TONS	MT

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the wests:

D. PROCESSES

1. PROCESS CODES:

For itseet hazardous waster. For each listed hazardous waste entered in column A select the code/s/ from the list of process codes contained in item ()) to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous westes: For each characteristic or toxic contaminant entered in column A, select the code/s/ from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wester that passess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes; if more are needed: (1) Enter the first three as described above; (2) Enter "000" in this extreme right box of items IV-0(17; and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER -- Hazardous westes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns 8,C, and D by estimating the total established quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

 2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter
 "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste-Number that can be used to describe the hazardous weste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tunning and finishing operation. In addition, the facility will treat and dispose of three non-listed wester. Two warras are corrosive only and there will be an estimated 200 pounds per year of each wester. The other wester is corrosive and ignitable and there will be an estimated 100 pounds per year of that wester. Treatment will be in an incinerator and disposal will be in a landfill.

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57. \ Form 3510-3 (6-80)

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Continued from the front.				
IV. DESCRIPTION OF HAZARDOUS WASTES	(continued)			
E. USE THIS SPACE TO LIST ADDITIONAL P	ROCESS CODES FRO	m item o(i) on page 3.		-4.4.11
EPA I.D. NO. (enter from page I)				
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V. FACILITY DRAWING				~5
All existing facilities must include in the space provided			for more detail).	- 0.00
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All existing facilities must include photographs (
treatment and disposal areas; and sites of future	storage, treatment or o	lisposal areas (see instruction	is for more detail).	
VII. FACILITY GEOGRAPHIC LOCATION				
LATITUDE (degrees, minutes, à seco	nds)	LONGITUDE	(degrees, minutes, & seconce)	
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VIII. FACILITY OWNER		the first of the second of the second		
A. If the facility owner is also the facility operator	as listed in Section VIII o	on Form 1, "General Informatio	$n^{\prime\prime}$, place an $^{\prime\prime}X^{\prime\prime}$ in the box to the left and	
skip to Section IX below,				
8. If the facility owner is not the facility operator	as listed in Section VIII o	n Form 1, complete the follow	ing items:	
,				
	ICILITY'S LEGAL OWN	17-	Z. PHONE NO. (area code &	na.)
Ē.				
11 119			10 10 - 10 12 - 11 12 -	_
3. STREET OR P.O. BOX		4. CITY OR TOWN	5. 5T. 6. ZIP COOK	
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$\frac{ \Gamma }{\Omega_{c} \cap \Lambda_{c}}$			10 11 12	
IX. OWNER CERTIFICATION			The second secon	1
[certify under penalty of law that the				
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EPA Form 3510-3 (6-80)

PAGE 4 OF 5

CONTINUE OF PAGE

USEPA PART A, FORM 3

ATTACHMENT I

- 1. Includes miscellaneous lab solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3, 4. Paint spray booth wastes have EPA hazard codes DOOl and DOO8.
- 7-20 Includes miscellaneous small quantities of laboratory chemicals. The amount and type vary from year to year.
- 21,22 Radioactive and hazardous mixed waste metals sludge. EP toxicity test indicates greater than allowable concentrations of cadmium and lead in the leachate.
- 25,26 Metals precipitation sludge buried prior to August 25, 1985. Evidence obtained at that time indicates that the sludge buried may have been toxic. Will be presumed to be toxic unless investigation proves otherwise.

* FORM					ON AGENCY	I. EPA I.D NUMBER	3.5	STATE !	200
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III. FACILITY NAME	U.S. DOE - Por	tsmo	uth Ura	niu		through it and enter the appropriate fill—in area be	correction. A	t dat Also,	ta in the if any of
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VI. FACILITY	U.S. Route # 2	·3	outh			nust be completed regarditems if no label has been	provi	ided.	Refer to
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II. POLLUTANT CHARACTERIST				-					
INSTRUCTIONS: Complete A th questions, you must submit this for if the supplemental form is attach is excluded from permit requirements.	orm and the supplement ed, if you answer "no"	tal form to sach	listed in the question, y	e par	renthesis following the qu need not submit any of the	estion. Mark "X" in the box in ese forms. You may answer "n	the th	nird ca out a a	olumn.
SPECIFIC QUEST	IONS		PK 'X'		SPECIFIC	QUESTIONS	YES		FORM ATTACHED
A. Is this facility a publicly ow	vned treetment works			+		(either existing or proposed)	1	\top	
which results in a discharge t (FORM 2A)	to waters of the U.S.?	X				animal feeding operation or ton facility which results in a a U.S.2 (FORM 2R)		X	
C. Is this a facility which current	ly results in discharges		7 16	Ъ.		y (other than those described	10	20 V	21
to waters of the U.S. other the A or B above? (FORM 2C)	han those described in	X	3 24	_	waters of the U.S.? (FOF		23	X 26	27
E. Does or will this facility trea hazardous wastes? (FORM 3)	t, store, or dispose of			F.	municipal effluent below	ect at this facility industrial or withe lowermost stratum con- larter mile of the well bore,		X	
		Х		<u> </u>		drinking water? (FORM 4)	31	32	23
G. Do you or will you inject at thi water or other fluids which are			ļ	Н.		ct at this facility fluids for spe-			
in connection with conventions duction, inject fluids used for			i e	1	process, solution mining	nining of sulfur by the Frasch g of minerals, in situ combus-			
oil or natural gas, or inject flui			X]	tion of fossil fuel, or re (FORM 4)	covery of geothermal energy?		X	
hydrocarbons? (FORM 4) I. Is this facility a proposed stat		34 3	36	J.		ed stationary source which is	37	36	
one of the 28 industrial cate structions and which will pot					instructions and which i	dustrial categories listed in the will potentially emit 250 tons	†	1	
per year of any air pollutan Clean Air Act and may affec			v I			tant regulated under the Clean or be located in an attainment		X	
attainment area? (FORM 5)	Ì	40 4	↑ 1 42	_	area? (FORM 5)			44	
III. NAME OF FACILITY					The state of the s				
1 SKIP U.S. DOE P	0 R T S M 0 U					CHMENT CO	M P	LE	ΕX
IV. FACILITY CONTACT		of the second		i ŝ			-		
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6 P. I. K. E. T. O. N						/ <u> </u>			

VII. SIC CODES (4-digits in arour of anonty)	
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2 8 1 9 (meanly) Industrial Incurrence Chemicals	(specify)
Industrial Inorganic Chemicals	O. FOURTH
[specify]	(specify)
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IIL OPERATOR INFORMATION	The transfer with the same of the same of the same of
A NAME	S. (s there
US DEPARTMENT OF ENERG	V
140	Y YES
C. STATUSOF OFERATOR (Enter the appropriate letter into the an	swerbos: if "Other", :pecify.) 3. PHONE (area code & no
F = FEDERAL M = PUBLIC (other than /ederal or mate); S = STATE: Q = OTHER (epocity): F	(specify)
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O BOX E ENVIRONMT PRO	T BRANCH
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EXISTING ENVIRONMENTAL PERMITS	the second type of the transfer of the second for the second
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III. PROCESSES (continued)

SPACE FOR ADDITIONAL PROCESS COO. OR FOR DESCRIBING OTHER PROCESSES (code 34"). FOR EACH PROCESS ENTERED HERE
INCLUDE DESIGN CAPACITY.

- 1. X-752 Hazardous Waste Storage Facility; estimated capacity 110 208-liter (55-gallon) drums within the contained area (for liquid wastes) and an estimated 2200 drums or 500 1-cubic yard polyethylene containers.
- 2. X-616 Chromium Sludge Lagoon
- 3. X-701B Holding Pond
- 4. X-231B Oil Biodegradation Plots (Currently undergoing closure)
- 5. X-749 Contaminated Materials Disposal Facility

TV:	DESCRIPTION	OPHAZARI	MITTER WASTER
A * .	DESCRIPTION	Or HAZAAL	JUUS MASIES

- A. EPA HAZARDOUS WASTE NUMBER Enter the four—digit number from 40 CFR, Support D for each listed hazardous waste you will handle. ... you handle hazardous wastes which are not listed in 40 CFR, Subport D, enter the four—digit number(s) from 40 CFR, Subport C that describes the characteristics and/or the toxic contaminants of those hazardous westes.
- 8. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which postess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the apper to codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CO	DE
POUNDS	KILOGRAMS	Κ.
TONS	METRIC TONS	*

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the wester.

D. PROCESSES

1. PROCESS CODES:

For listed hezardous waster. For each listed hezardous waste entered in column A select the code/s/ from the list of process codes contained in Item 45 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-justed hazardous wants: For each characteristic or toxic contaminant entered in column A, select the code/s/ from the list of process codes contamined in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous westes that passess that characteristic or toxic contaminant.

Notes: Four spaces are provided, for entering process codes; If more are needed; (1) Enter the first three as described above; (2) Enter "000" in the extreme right base of items IV-0(17; and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous westes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns 8,C, and D by estimating the total seasons of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column O(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazerdous Weste-Number that can be used to describe the hazerdous weste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non-listed westes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each weste. The other weste is corrosive and ignitiable and there will be an estimated 100 pounds per year of that weste. Treatment will be in an indinneror and disposal will be in a landfill.

	A. EPA		C. UNIT														D. PROCESSES
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X-4	D 0 0 Z	·				1	1		ī	7		7	1		1		included with above

nued from page 2.

1915 Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

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IV. DESCRIPTION OF HAZARDOUS WASTES (con						30
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EPA I.D. NO. (enter from page 1)						
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V. FACILITY DRAWING						
All existing facilities must include in the space provided on p	page 5 a scale drawin					25
VI. PHOTOGRAPHS		1 11				
All existing facilities must include photographs (aeria atment and disposal areas; and sites of future store						
J. FACILITY GEOGRAPHIC LOCATION		, , , , , , , , , , , , , , , , , , , ,				
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VIII. FACILITY OWNER						
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skip to Section IX below.						
8. If the facility owner is not the facility-operator as in	rtad in Section VIII	on Farm 1, complete the folio	wing Items:			
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EPA Form 3510-3 (6-80)	PAGE	4 OF 5			CONTINUE OF	PAGES

USEPA PART A, FORM 3

ATTACHMENT I

- 1. Includes miscellaneous lab solvents, paint solvents, discarded fuels, and miscellaneous one-time disposal items.
- 3, 4. Paint spray booth wastes have EPA hazard codes D001 and D008.
- 7. Includes miscellaneous small quantities of laboratory chemicals. The amount and type vary from year to year.
- 8, 9. Radioactive and hazardous mixed waste metals sludge. EP toxicity test indicates greater than allowable concentrations of cadmium and lead in the leachate.
- 12, 13. Metals precipitation sludge buried prior to August 25, 1985. Evidence obtained at that time indicates that the sludge buried may have been toxic. Will be presumed to be toxic unless investigation proves otherwise.

JUSTIFICATION FOR CHANGES REVISED PART A PERMIT APPLICATION PORTSMOUTH URANIUM ENRICHMENT COMPLEX

1. Form 3, Page 1 of 5

- A. Line 1 The volume of X-752 Hazardous Waste Storage Facility has been changed from 6,055 gallons to 100,000 gallons to reflect the total storage area for both liquids (6,055 gallons) within the diked areas, and solids within the remainder of the facility.
- B. Line 2 The volume of the chromium sludge lagoon has been recalculated and is now listed as 2.1 X 10^6 gallons instead of 2.3 X 10^6 gallons.
- C. Line 4 The X-231B Oil Biodegradation Plot is now properly listed as "D81 Land Application" instead of "S03 Waste Pile."
- D. Line 5 The X-749 Contaminated Materials Disposal Facility is once again listed on the Part A Permit Application. Metal sludges from the X-705 metals precipitation process were tested by the EP Toxicity Test in October 1983 prior to disposal and were determined to be nonhazardous. Subsequent testing in August 1985 found that some of the batches of sludge were EP toxic hazardous wastes. Because of this, it is suspected that some EP toxic hazardous sludges were buried in the X-749 facility and the unit should be listed as a RCRA facility pending the outcome of further investigations.

2. Form 3, Page 3 of 5

- A. Lines 3 & 4 Line 4 has been inserted to reflect the two hazard codes for the wastes listed on Line 3.
- B. Lines 5, 6, & 7 These lines are the same as lines 4, 5, & 6, respectively, on the January 13 Part A.
- C. Lines 8 & 9 These lines reflect the metal precipitation sludge.
- D. Line 10 This is the same as Line 7 in the January 13 Part A.
- E. Line 11 This is the type of hazardous waste placed in X-701B for treatment.
- F. Line 12 Volume of metals precipitation sludge buried before August 25, 1985.
- **G.** The waste listed on Line 8 of the January 13 Part A has been deleted as there is no further disposal of this material at X-231B (D81).
- H. The waste listed on Line 9 of the January 13 Part A has been deleted. While this material (trichloroethylene) is present in the ground-water around X-701B (TO2), there is no indication that any in the form of a hazardous waste was, or is, disposed of at X-701B. X-701B is a RCRA facility due to the neutralization of DO02 corrosives within the lagoon.

S S ZAVIRONMENTAL PROTECTION AGENCY LL EPA I.D. NUMBER GENERAL INFORMATION Consolidated Permits Program
e "General Instructions" before starting.) 0008983 GENERAL INSTRUCTIONS if a preprinted label has been provided, artix 0H7890008983 t in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the U.S. DOE-Portsmouth Gaseous Diffusion Plant appropriate fill-in area below. Also, it any of the preprinted data is absent (me area to me U.S. Department of Energy eft of the label space lists the information PACILITY Environmental Protection Branch-PORTS mat should appearl, please provide it in the MAILING ADDRESS, proper fill—r area(s) below. If the label is Post Office Box E complete and correct, you need not complete litems I, III, V, and VI (except VI-3 which Oak Ridge, Tennessee 37831 must be completed recardless). Complete all items if no label has been provided. Refer to the instructions for detailed item describes FACILITY VI. LOCATION U.S. Route 23, South tions and for the legal authorizations under Piketon, onio which this data is collected. IL POLLUTANT CHARACTERISTICS INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to sny questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of boid—faced terms. MARY (MARK X SPECIFIC QUESTIONS SPECIFIC QUESTIONS B. Does or will this facility 'either existing or proposed) A. is this facility a publicly awned treatment works include a concentrated animal feeding operation or χ which results in a discharge to waters of the U.S.? χ equatic animal production facility which results in a (FORM 2A) discharge to waters of the U.S.? (FORM 2B) 20 D. Is this a proposed facility fother than those described Cole this a radius, which currently results in discharges to waters or the U.S. other than those described in A or B above? (FORM 2C) in A or B above) which will result in a discharge to waters of the U.S.? (FORM 20) F. Do you or will you inject at this facility industrial or E. Does or will this facility treat, store, or dispose of municipal effluent below the lowermost stratum connazardous wastes? (FORM 3) χ taining, within one quarter mile of the well pore. underground sources of drinking water? (FORM 4) 32 G. Do you or will you inject at this facility any produced H. Do you or will you inject at this facility fluids for spewater or other fluids which are brought to the surface and processes such as mining of sultur by the Frasch in connection with conventional oil or natural gas proprocess, solution mining of minerals, in situ compusduction, hact fluids used for enhanced recovery of χ Y tion of fossil fuel, or recovery of geothermal energy? oil or natural gas, or inject fluids for storage of liquid hydrocarpons? (FORM 4) (FORM 4) is this facility a proposed stationary source which is J. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the in-NOT one of the 23 industrial categories listed in the structions and which will potentially emit 100 tons instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean per year of any air poliutant regulated under the χ Χ Air Act and may affect or be located in an attainment Clean Air Act and may affect or be located in an area? (FORM 5) attainment area7 (FORM 5) III. NAME OF FACILITY SKIP | | S GASEOUS larea code & no i A. NAME & TITLE HOLL HELL & HIP! 2 T R A V A C I Ny .8 V. FACILITY MAILING ADDRESS 3 P.O ENVI RONMENTAL D. ZIP CODE B CITY OR TOWN R. I. D. G 51U.S 3, , 5, 0, U, T, H, Κ COUNTY CODE C. CITY OR TOWN D. STATE E. ZIP CODE nt soomut 14,5,6,6

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XI, MAP					
Attach to this application a topographic map the outline of the facility, the location of each treatment, storage, or disposal facilities, and water bodies in the map area. See instructions	ದು of its existing an each well where it	id proposed intake injects fluids under	and discharge s	tructures, each of it	s hazardous waste
XII. NATURE OF BUSINESS (provide a brief descrip	tion)				まっていることを
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William F. Manning, Dire Enriching Operations Di		1111111	R.R.A.		12/Mg
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1) X-752 Hazardous Waste Storage Facility; estimated 110 208-liter (55-gallon) drums maximum

PROCESS COOK OF FUNCTIONS OF A PROCESSES COOK TO

- 2) X-616 Chromium Sludge Lagoon
- 3) X-231B Oil Biodegradation Plots
- 4) X-701B Holding Pond

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER Enter the rour—digit number from 40 CFR, Support D for each fisted hazardous waste you will hancle, if you handle hazardous wastes which are not listed in 40 CFR, Support D, enter the four—digit number/s/ from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual plass. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be hand it will no possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column 3 enter the unit of measure code. Units of measure which must be used and the appropriate origes are:

ENGLISH UNIT OF MEA	ASURE	CODE	METRIC UNIT OF	<u>MEASUR</u>	=	 	CCDE
POUNDS.		P	KILOGRAMS			 	. K
TONS		τ	METRIC TONS			 	, M

If itsclity records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into a count the appropriate gensity or specific gravity of the waste.

D. PROCESSES

: PROCESS CODES.

For listed hazardous waster. For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item. It to indicate how the waste will be stored, treated, anti/or disposed of at the racinty.

For non-listed nazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess the possess that possess th

Note. Four spaces are provided for entering process codes. It more are needed 113 Enter the first three as described above; (2) Enter 1000" in the extreme right box of Item IV-O(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION. If a code is not listed for a process that will be used, describe the process in the space provided on the form.

MOTE HAZARDOUS MASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER ~ Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows

- 1. Selectione of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual adultity of the waste and describing all the processes to be used to treat laters and/or dispose of the waste.
- In notumn A or the next line enter the other EPA Hazardous Waste Number المعربة المعربة على المعربة المعربة على المعربة
- 3. Repeat step 2 for each other EPA Hazzidous Waste Number that can be used to describe the hazzidous weste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non—listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill

	A EPA		C UNIT	D. F	PROCESSES
LINE	WASTENO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	OF MEA- SURE lenter rode:	1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (If a code is not entered in $D(1)$)
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X-2	D 0 0 2	400	P	T 0 3 D 8 9;	
X-3	D 0 0 1	100	P	T 0 3 D 8 3	
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FOR EACH PROCESS ENTERED HERE

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VI. PHOTOGRAPHS	The state of the s	
All existing facilities must include photographs (aerial or treatment and disposal areas; and sites of future storage.)		
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VII. FACILITY GEOGRAPHIC LOCATION		
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1. Justification for changes in the revised Part A permit application.

On Form 3, Page 1 of 5, the following changes were made (line numbers refer to the original Part A permit application):

- A. line 2 The volume of the X-616 Chromium Sludge Lagoon was mistakenly listed as 2.8 x 10 gallons; it should have been 2.3 x 10 gallons (line 2 of the revised Part A).
- B. line 3 The X-616 Chromate Reduction Facility was removed from the Part A permit application because the facility is a wastewater treatment facility and, as such, is governed by GAT's NPDES permit.
- C. The X-701B Holding Pond is being added to the revised Part A permit application. The reasoning for this addition is the X-701B is an active facility with trichloroethylene (a listed hazardous substance) entering the pond from an unknown source and being detected in the effluent. Additionally, records indicate that a reroute line from the X-701C Neutralization Pit was not completed until February, 1982, resulting in small quantities of chromic acid (a listed hazardous substance) being discharged to the X-701B Holding Pond.
- D. A reference is made to the X-7725A Waste Accountability Facility on Form 3, Attachment II, of the original Part A permit application. This was originally part of the Gas Centrifuge Enrichment Plant (GCEP). With the termination of the GCEP project, the X-7725A will not be used in any manner as a Treatment, Storage and Disposal facility.
- 2. The inclusion of the X-749 Contaminated Materials Disposal Facility was the result of a misunderstanding of statements made during a meeting held at Goodyear Atomic Corporation in July, 1985, among representatives of GAT, DOE, OEPA, and USEPA. There is no intention on the part of GAT to use the X-749 facility as a hazardous waste landfill, nor has the facility been used as a hazardous waste landfill since November, 1980. The facility will be addressed in the Part B Permit Application as a Solid Waste Management Unit with a continuing release (chlorinated solvents).
- 3. See item 1.C. above.
- 4. In converting the numbers to metric units, some calculational errors were made in the revised Part A permit application. Process design capacities, Form 3, Page 1 of 5, have been restated in English units.

- 5. On Page 3 of 5, Form 3 of the Part A application (Attachment II), all units of measure have been restated in the correct units and have been revised where records indicate revision is necessary. Line 6 on page 3 of 5 refers to small quantities of miscellaneous laboratory chemicals with only one EPA Hazardous Waste number being listed. The annual generation rate includes the weight of inert adsorbent added to the drums.
- 6. It is requested that the X-231B Oil Biodegradation Plots be classified as a waste pile for the storage of trichloroethylene rather than a land treatment unit. The reason for this request is that there would be an ineffectively low rate of chlorinated solvent degradation and, assuming no evaporation, the solvents would remain in the soil for many years.

USEPA PART A, FORM 3

- 1) Includes miscellaneous lab solvents, paint solvents, discarded fuels, miscellaneous one-time disposal items.
- 3) Paint spray booth solids also have EPA Hazard Code DOOL.
- 6) Includes small quantities of miscellaneous laboratory chemicals. The amounts and types will vary from year to year. Weight includes inert adsorbent added to containers.
- 8) Land application of hazardous solvents to X-231B Oil Biodegradation Plots discontinued in December, 1983. The maximum estimated volume of hazardous solvents applied prior to that date is 1500-3000 liters per year.

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XI. MAP					
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the outline of the facility, the location of e treatment, storage, or disposal facilities, and	d each well when	e it injects fluids	underground.	narge structures, Include all sprin	each of its nazardous waste
water bodies in the map area. See instruction			3		joyo.o und udior jariaba
XII. NATURE OF BUSINESS (provide a brief descri					CONTRACTOR OF THE PROPERTY.
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The Gaseous Diffusion Plant en	riches urani	um for natio	nal defens	se and commen	rcial nuclear
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and operations serving the ura	nium enrichm	ent process	include a	cooling wat	er system, a
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nitrogen manufacturing plant a	nd others.				
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XIII. CERTIFICATION (see instructions)	C. Carlotte and Control				
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Attachment I

Form 1

Revised Part A Permit Application

Goodyear Atomic Corporation

Question X. Existing Environmental Permits

- A. NPDES OHO110931 GCEP construction permit
- D. The Portsmouth Uranium Enrichment Plant has numerous air emissions source permits issued by the Ohio EPA.

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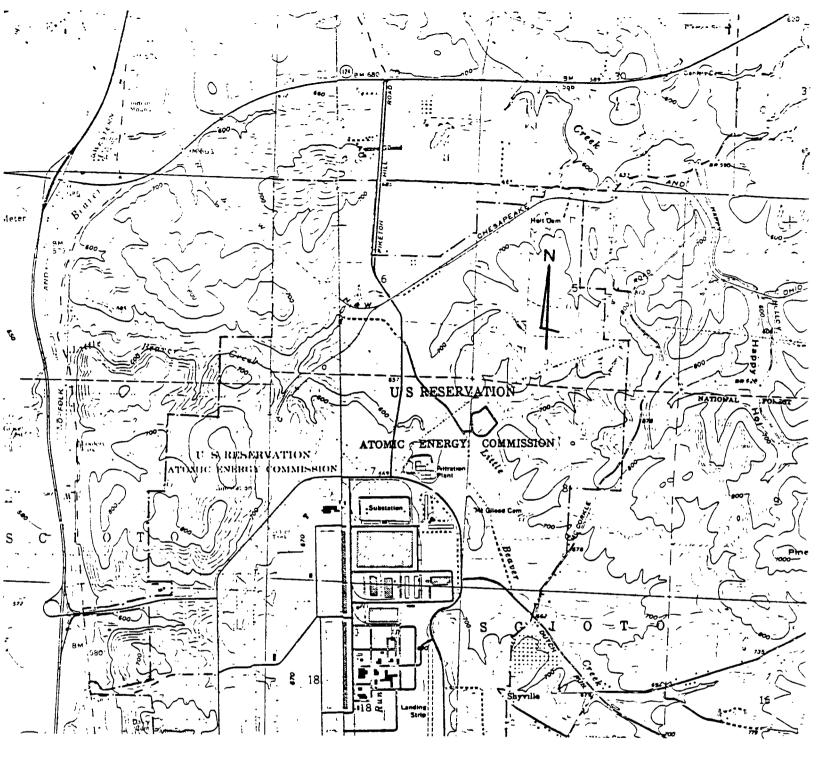
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VI. PHOTOGRAPHS All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing	TATELLA TOTAL TOTA
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EPA Form 3510-3 (6-80)



Form 1

Revised Part A Permit Application

Goodyear Atomic Corporation

Question XI. Map

The plantsite topographical map was obtained by combining four 7' 30" U. S. Geological Survey maps that intersect at N 39 00' and W 83 00'. The four maps utilized were:

The Wakefield, Ohio Quadrangle N 3852.5 - W 8300/7.5 AMS 4361 I NE-Series V852 The Piketon, Ohio Quadrangle N 3900 - W 8300/7.5 AMS 4362 II SE-Series V852

The Waverly South, Ohio Quadrangle N 3900 - W 8252.5/7.5 AMS 4462 III SW-Series V852 The Lucasville, Ohio Quadrangle N 3852.5 - W 8252.5/7.5 AMS 4461 IV NW-Series V852

Copies of the four maps are available on request.

There are approximately 60 residences within one quarter of a mile from the government reservation boundary. Eighteen residences obtain their drinking water from a well or cistern. Nine residences have county supplied water. The source of water is unknown for the remaining residences.

The plantsite facility drawing (page 5 of form 3) identifies the hazardous waste management facilities and surface streams.

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C. RCRA (Hazardous Wastes)			
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XI. MAP Attach to this application a topographic ma	p of the area extending t	to at least one mile beyond p	roperty bounderies. The map must shi
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Attachment I

Form 1

Revised Part A Permit Application

Goodyear Atomic Corporation

Question X. Existing Environmental Permits

- A. NPDES OHO110931 GCEP construction permit
- D. The Portsmouth Uranium Enrichment Plant has numerous air emissions source permits issued by the Ohio EPA.

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III. PROCESSES (continued)

- 1) X-752 Hazardous Waste Storage Facility
- 2) X-616 Chromium Sludge Lagoon
- 3) X-616 Chromium Sludge Lagoons: one time treatment to detoxify sludge; est. maximum of sludge to be treated 3500 m³.
- 4) X-231B Oil Biodegradation Plot
- 5) X-749 Contaminated Materials Disposal Facility
- 6) X-701B Holding Pond

rv	DEC	רסוסדותו	4 O E	「日本フェ	217075	WASTES

- S WASTES TO THE PROPERTY OF TH A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Support D for each listed hazardous weste you will handle. If you handle hazardous westes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristic tics and/or the toxic contaminants of those hazardous wester.
- B. ESTIMATED ANNUAL QUANTITY For each listed weste entered in column A setimate the quantity of that waste that will be handled on an annual bass. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which possess that characteristic or contaminent.
- C. UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the approximation gang pagang ang terminang pagang ang ang terminang pagang ang ang terminang ang COCKS AFRE

ENGLISH UNIT OF MEASURE	_ <u></u>	METRIC UNIT OF MEASURE CODE
POUNDS		KILOGRAMS
TONS	T	METRIC TONS

If facility records use any other units of measure for quantity; the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the warm.

PROCESSES

1. PROCESS CODES:

D. PROCESSES

T. PROCESS CODES:

For fished hexardous wasses: For each listed hexardous waste entered in column A select the code/al from the list of process codes contained in 1907 !! to indicate how the wests will be stored, treated, end/or disposed of at the facility.

For new-listed heterdone wester. For each characteristic or toxic conteminent entered in column: A; select the code(s) from the list of processes contained in item III to indicate all the processes that will be used to store; treat, and/or dispose of all the non-listed heterdone wester that processes that will be used to store; treat, and/or dispose of all the non-listed heterdone wester that processes that will be used to store; treat, and/or dispose of all the non-listed heterdone wester. that characteristic or toxic contaminant.

Ness: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item (V-D(1); and (3) Erner in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE INJUSER - Hamildour wanton that care be-described by more than one EPA Hazardous Westa Number shall be described on the form as follows:

- 1. Select one of the EPA Hammious-Wasse Numbers and enter it is column A. On the same line complete columns B.C. and D by estimating the total street. cuantity of the weste and describing all the processes to be used to treat, store, and/or dispose of the weste.

 2. In column A of the next line enter the other EPA Heserdous Weste Number that can be used to describe the weste, in column D(2) on that line enter
- "Included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hexardous Waste Number that can be used to describe the hexardous waste.

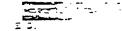
EXAMPLE FOR COMPLETING ITEM IV (shows in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treet and dispose of an estimated 900 pounc per year of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non-listed wester. Two wests are corrosive only and there will be an estimated 200 pounds per year of each wester. The other weste is corrosive and ignitible and there will be an estimate 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

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IV. DESCRIPTION OF HAZARDOUS W

S (continued. A PROCESS CODES FROM ITEM D(1) DV.



- Includes misc. laboratory solvents, paint solvents, discarded fuel (gasoline), miscellaneous process solvents (non-listed), and miscellaneous one-time disposal items.
- 6) Item includes small quantities miscellaneous laboratory chemicals with various EPA waste nos. Volume includes inert absorbent in drums.
- 8) Land application of chlorinated solvents discontinued 12/83. Present use is land application for oil and waste pile for chlorinated solvents.
- 9), 10) Trichloroethylene detected in monitoring wells. Facilities are continuing release points. Annual volume of waste does not reflect volume of trichloroethylene.

FIO H 7 8 9 0 0 0 8 9 8 3 6				
V. FACILITY DRAWING				
All existing facilities must include in the space provided on page 5 a :ca	sie drawing of the facility (see instructions	for more detail).		
VI. PHOTOGRAPES				
All existing facilities must include photographs (aerial or grout treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and sites of future storage, treatment and disposal areas; and disposal areas; and disposal areas; and disposal areas are also a	ment or disposal areas (see instruction	•	kist ng storuje, =	
VII. FACILITY GEOGRAPHIC LOCATION				
· LATITUDE (degrees, minutes & seconds)	LONGITUDE	LONGITUDE (dugrees, min-les), L. Jeson.		
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VIII. FACILITY OWNER		The second second	-	
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I NAME OF FACILITY'S LEG	SAL OWNER	2. 342	NE NO 1 41 11	
1. STREET OR P.O. BOX	4. CITY OR TOWN	s. 57. (J. 2:7 2322	
िं			1	
IX. OWNER CERTIFICATION		1040342424		
I certify under penalty of law that this document and all atta and with a system designed to assure that qualified personnel my inquiry of the person or persons who manage the system, or the information submitted is, to the best of my knowledge and significant penalties for submitting false information, include	properly gather and evaluate the info those persons directly responsible for belief, true, accurate, and complete.	ormation submitted, r gathering the info I am aware that the	Based on promotion.	
A. NAME (print or type) II. Donne [] at all on Disconting	ATURE	C. DATE S	IGNED	
H. Doran Fletcher, Director Enriching Operations Division	In M Mage	10-12	.9 5	

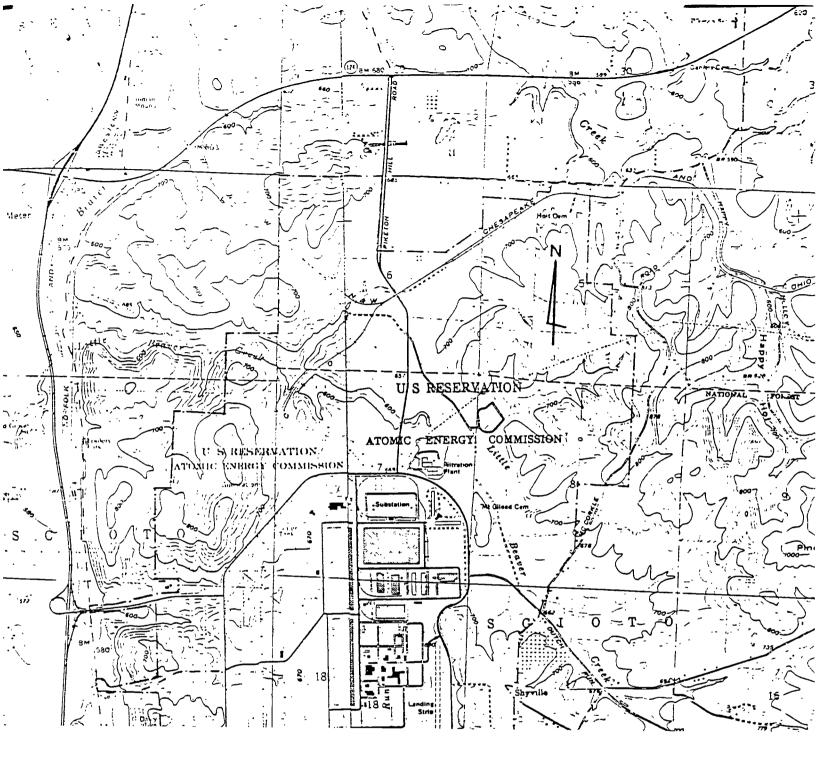
A. HAME (PRINT OF TYPE)

X. OPERATOR CERTIFICATION

3H. Doran Fletcher, Director
SEnriching Operations Division

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

C. DATE SIGNED



Form 1

Revised Part A Permit Application

Goodyear Atomic Corporation

Question XI. Map

The plantsite topographical map was obtained by combining four 7' 30" U. S. Geological Survey maps that intersect at N 39 $^{\circ}$ 00' and W 83 $^{\circ}$ 00'. The four maps utilized were:

The Wakefield, Ohio Quadrangle N 3852.5 - W 8300/7.5 AMS 4361 I NE-Series V852

The Piketon, Ohio Quadrangle N 3900 - W 8300/7.5 AMS 4362 II SE-Series V852

The Waverly South, Ohio Quadrangle The Lucasville, Ohio Quadrangle N 3900 - W 8252.5/7.5 AMS 4462 III SW-Series V852

N 3852.5 - W 8252.5/7.5 AMS 4461 IV NW-Series V852

Copies of the four maps are available on request.

There are approximately 60 residences within one quarter of a mile from the government reservation boundary. Eighteen residences obtain their drinking water from a well or cistern. Nine residences have county supplied water. The source of water is unknown for the remaining residences.

The plantsite facility drawing (page 5 of form 3) identifies the hazardous waste management facilities and surface streams.

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II. FACILITY NAME Portsmou	ch Uranium Enrichment Pla	through it	ully; if any of it is incorrect, cross and enter the correct data in the
	rtment of Energy	the preprint	fill—in area below. Also, if any of ted data is absent fithe area to the
MAILING ADDRESS Post Off	ental Protection Branch-I	that should	label space lists the information appear, please provide it in the
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INSTRUCTIONS: Complete A through J to deter	mine whether you need to submit any	permit application forms to the	EPA. If you answer "yes" to any
questions, you must submit this form and the sup- if the supplemental form is attached. If you answe	lemental form listed in the paranthesis	following the question. Mark	X" in the box in the third column
is excluded from permit requirements; see Section C	of the instructions. See also, Section D	of the instructions for definition	ns of bold—faced terms.
SPECIFIC QUESTIONS	MARK'X'	SPECIFIC QUESTIONS	WARK 'X'
A. Is this facility a publicly owned treatment	works B. Does o	r will this facility (either existing	ng or proposed)
FORM 2A)	U.S.? X include aquatic	a concentrated animal feeding animal production facility who	ich results in a X
C. Is this a facility which currently results in disc	45 47 × ×18 Cischar	ge to waters of the U.S.? (FORW a proposed facility <i>lother than</i>	those described
A or B above? (FORM 2C)	ped in X in A o	of the U.S.? (FORM 2D)	
E. Does or will this facility treat, store, or disp	F. Do you	or will you inject at this facili	ity industrial or.
hazardous wastes? (FORM 3)	taining	, within one quarter mile of	the well bore,
G. Do you or will you inject at this facility any pro	duced H Do you	round sources of drinking water or will you inject at this facilit	37 22 23
water or other fluids which are brought to the s in connection with conventional oil or natural g	s pro-	ocesses such as mining of sulfu s, solution mining of minerals,	r by the Frasch
कु duction, inject fluids used for enhanced recov के oil or natural gas, or inject fluids for storage of	liquid X tion of	fossil fuel, or recovery of geon	
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cone of the 28 industrial categories listed in structions and which will potentially emit 10	he in-) tons instruc	ne of the 28 industrial categor tions and which will potentially	
per year of any air pollutant regulated and Clean Air Act and may affect or be located		or of any air pollutant regulated t and may affect or be located i	
attainment area? (FORM 5) I. NAME OF FACILITY	40 41 42 area? (FORM 5)	43 44 -45
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C. CITY OR TOWN	70 D.S1	TATE E. ZIP CODE F. COL	INTY CODE
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Attachment II

Question XI. Map

The plantsite topographical map was obtained by combining four 7' 30" U.S. Geological Survey maps that intersect at N 39° 00' and W 83° 00'. The four maps utilized were:

The Wakefield, Ohio Quadrangle N 3852.5 - W 8300/7.5 AMS 4361 I NE-Series V852 The Piketon, Ohio Quadrangle N 3900 - W 8300/7.5 AMS 4362 II SE-Series V852

The Waverly South, Ohio Quadrangle N 3900 - W 8252.5/7.5 AMS 4462 III SW-Series V852 The Lucasville, Ohio Quadrangle N 3852.5 - W 8252.5/7.5 AMS 4461 IV NW-Series V852

Copies of the four maps are available on request.

There are approximately 60 residences within one quarter of a mile from the government reservation boundary. Eighteen residences obtain their drinking water from a well or cistern. Nine residences have county supplied water. The source of water is unknown for the remaining residences.

The plantsite facility drawing (page 5 of form 3) identifies the hazardous waste management facilities and surface streams.

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EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

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DUP 13 14 15 **B. PROCESS DESIGN CAPACITY B. PROCESS DESIGN CAPACITY** A. PRO A. PRO FOR OFFICIAL ш 2. UNIT OF MEA SURE (enter code) FOR BEI CESS CESS 2. UNIT OF MEA-SURE (enter OFFICIAL 面 LINE Σ 1. AMOUNT (specify) USE 1. AMOUNT USE (from list (from list ONLY ONLY above) above) code 28 27 24 S 0 2 600 G 5 3 T0 E 20 6 1 7 В D 8 0.71 1 2 8 3 9 4 10

III. PROCESSES (continued)

SPACE FOR ADDITIONAL PROCESS CODES OF

DESCRIBING OTHER PROCESSES (code "TO

OR EACH PROCESS ENTERED HERE

The purpose of the waste oil biodegradation plots is for the disposal of waste oils with radioactive contamination.

Recent sampling has revealed that it is possible in past practice that some radioactiveand solvent-contaminated oils were disposed at the site. Disposal of waste oil contaminated with solvent has been halted; alternative methods are currently under study.

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER Enter the four—digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four—digit number/s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non—listed waste/s/ that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	т	METRIC TONS . ,	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

- 1. PROCESS CODES:
 - For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code/s/ from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non—listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	1	A. EPA HAZARD. B. ESTIMATED ANNUAL				C. UNIT													D. PROCESSES		
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VI. PHOTOGRAPHS			
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V. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

CONTINUED FROM THE FRONT		
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s (specify)	7	(specify)
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VIII. OPERATOR INFORMATION	A. NAME	8. Is the name listed
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X. EXISTING ENVIRONMENTAL PERMITS	40 61 42	5 · 11
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UIC (Underground Injection of Fluids)	E. OTHER (specify)	(specify) Ohio EPA - Solid Waste
9 U 9 19 19 19 19 19 19	8,4, -, 0, 1, 9,	Disposal License
C. RCRA (Hazardous Westes)	E. OTHER (specify)	
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XL MAP	7 (10	The state of the s
Attach to this application a topographic map of the a	rea extending to at least one mil	s beyond property boundaries. The map must show
the outline of the facility, the location of each of it treatment, storage, or disposal facilities, and each w		
water bodies in the map area. See instructions for pre-	cise requirements. See Form	1 Attachment H
XII. NATURE OF BUSINESS (provide a brief description)	and the second second	
The Portsmouth Gaseous Diffusion Pl	ant has been operation	ng since 1954: the Gas Centrifuge
Enrichment Plant physical construct		
for national defense and commercial		
with uranium containing from two to		
naturally occurring uranium contain enrich it in the U-235 isotope. Ar	•	
uranium enrichment process include		
sewage system, a steam plant, labor		
plant and others.	,	
XIII. CERTIFICATION (see instructions)		and the second second second second
I certify under penalty of lew that I have personally	examined and am familiar with t	
attachments and that, based on my inquiry of thou	e persons immediately responsi	ble for obtaining the information contained in the
application, I believe that the information is true, ac false information, including the possibility of fine and		e that there are significant penalties for submitting
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
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COMMENTS FOR OFFICIAL USE ONLY	A CONTRACTOR	I was the state of the state of the state of
c i i i i i i i i i i i i i i i i i i i		

Form 1

Attachment I

Question X. Existing Environmental Permits (Additional)

A. NPDES

ОНО110931

D. Air Emission The Portsmouth Uranium Enrichment Plants have Source Permits numerous air emissions source permits issued by the Ohio EPA.

Form 1

Attachment II

Question XI. Map

The plantsite topographical map was obtained by combining four 7' 30" U.S. Geological Survey maps that intersect at N 39° 00' and W 83° 00'. The four maps utilized were:

The Wakefield, Ohio Quadrangle N 3852.5 - W 8300/7.5 AMS 4361 I NE-Series V852 The Piketon, Ohio Quadrangle N 3900 - W 8300/7.5 AMS 4362 II SE-Series V852

The Waverly South, Ohio Quadrangle N 3900 - W 8252.5/7.5 AMS 4462 III SW-Series V852 The Lucasville, Ohio Quadrangle N 3852.5 - W 8252.5/7.5 AMS 4461 IV NW-Series V852

Copies of the four maps are available on request.

There are approximately 60 residences within one quarter of a mile from the government reservation boundary. Eighteen residences obtain their drinking water from a well or cistern. Nine residences have county supplied water. The source of water is unknown for the remaining residences.

The plantsite facility drawing (page 5 of form 3) identifies the hazardous waste management facilities and surface streams.

V FACILITY MAILING ADDRESS 3: CHTATE D. ZIP CODE

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VI FACILITY LOCATION > 1889. To the coupen distributed in a second distributed in the second of the second in the second of the

A. STREET, ROUTE NO OR OTHER SPECIFIC IDENTIFIER ຮ່ວ່ນ ເ U S ROUTE

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EPA Form 3510-3 (6-80)

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III. PROCESSES (continued)

C SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES ICODE "TOT") FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

- X-752 Hazardous Waste Storage Facility
- 2. X-701B Holding Pond
- 3. X-231B Oil Biodegradation Plot
- X-749 Contaminated Materials Disposal Facility 4.
- X-744G Non-UESA Bulk Storage Building
- X-326 Mixed Waste Storage Facility 6.
- 7. X-744H Warehouse
- X-3346 Feed and Withdrawal Building 8.
- 9. XT-847 GCEP Warehouse

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- A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Support D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that weste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste (s) that will be handled which possess that characteristic or contaminant,
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDSP	KILOGRAMS
TONS	METRIC TONS

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the wasta.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code/s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the codels) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous westes that possess that characteristic or toxic contaminant,

Note: Four spaces are provided for entering process codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous westes that can be described by more than one EPA Hazardous Wasta Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual
- quentity of the wasts and describing all the processes to be used to treet, store, and/or dispose of the wasts.

 2. In column A of the next line enter the other EPA Hazardous Wasts Number that can be used to describe the wasts. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous wests.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastas. Two westes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitible and there will be an estimated 100 pounds per year of that wasts. Trestment will be in an incinerator and disposal will be in a landfill.

		A.	E	P/				UN		\Box	_			_								D. PROCESSES
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X-4	L	2	2	0	2						1	1		1		1	7	1		1	-	included with above

Form Approved OMB No. 158-\$80004 FOR OFFICIAL USE ONLY EPA I.O. NUMBER (enter from page-1)

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_	All existing facilities must include in the space provided on page	5 a scale drawing of the facility (see instructions for	more	de Cal	1).								
IV	I. PHOTOGRAPHS								•	•	.* <u>-</u>		
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